

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>APPLICATION FOR PERMIT TO DRILL OR DEEPEN</b>		5. Lease Designation and Serial Number: ML-22265	
1A. Type of Work:      DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: N/A	
		7. Unit Agreement Name: N/A	
8. Type of Well:    OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:      SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name: Morgan State	
2. Name of Operator: Coastal Oil & Gas Corporation		9. Well Number: #12-36	
3. Address and Telephone Number: P.O. Box 749, Denver, CO 80201-0749      (303) 573-4455		10. Field and Pool, or Wildcat: Natural Buttes Field	
4. Location of Well (Footages) At Surface:    1992 FSL 722 FEL At Proposed Producing Zone:		11. Ctr/Ctr, Section, Township, Range, Meridian:  NE/4 SE/4 Section 36-T9S-R21E	
14. Distance in miles and direction from nearest town or post office: Approximately 49.8 miles southwest of Vernal, Utah		12. County: Uintah	13. State: UTAH
15. Distance to nearest property or lease line (feet): 660'	16. Number of acres in lease: 639.20	17. Number of acres assigned to this well: 40	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): See Top Map C	19. Proposed Depth: 8200'	20. Rotary or cable tools: Rotary	
21. Elevations (show whether DF, RT, GR, etc.): Ungraded GR - 5036'		22. Approximate date work will start: Upon Approval	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see attached Drilling Program.				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Coastal Oil & Gas Corporation proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

See the Drilling Program and Multi-point Surface Use & Operations Plan, attached.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by Coastal's Bond #102103.

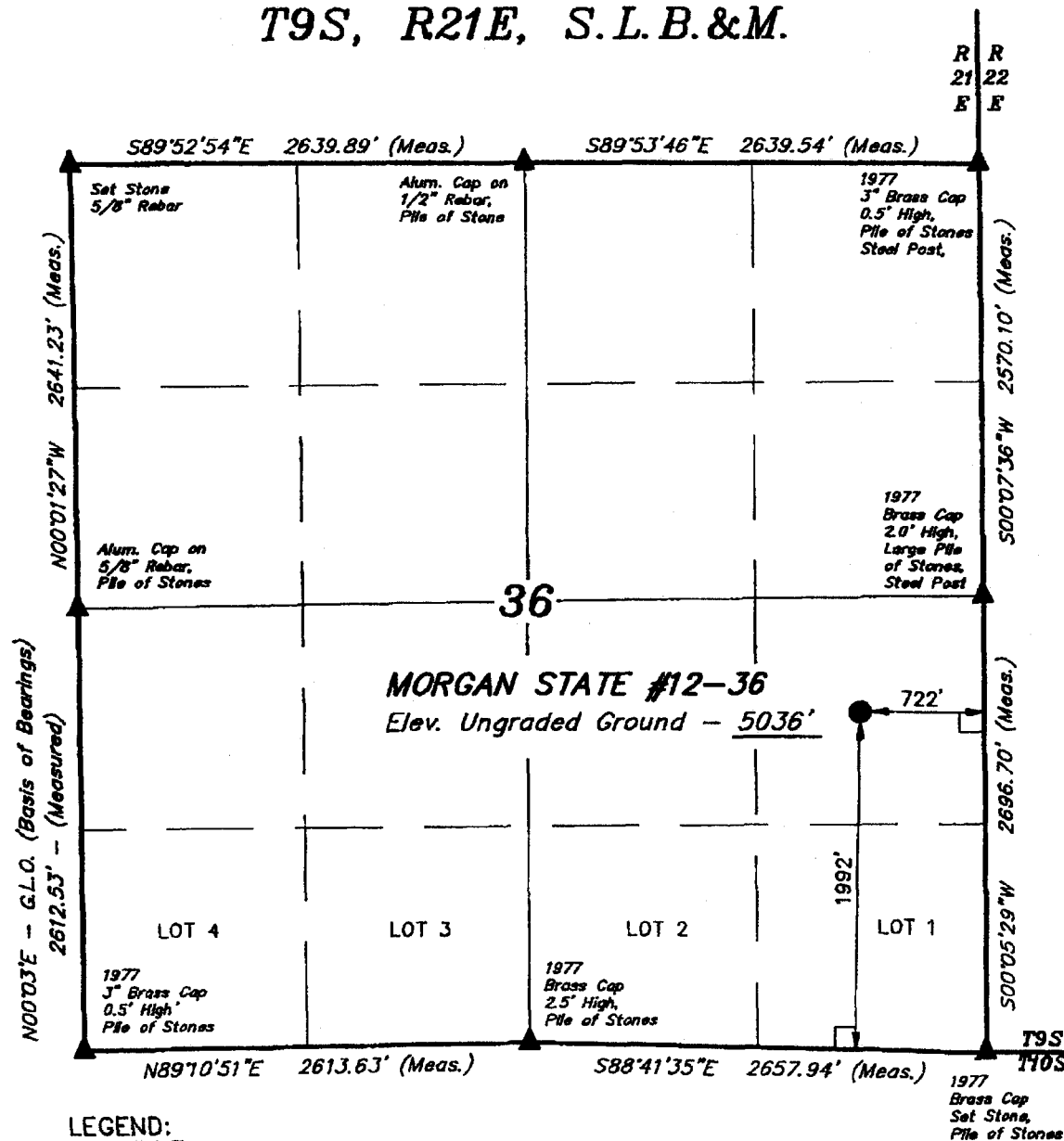
24. Name & Signature: <u>Sheila Bremer</u>	Environmental & Safety Analyst	Date: <u>12/27/94</u>
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API Number Assigned: 43-047-32814

Approval:

T9S, R21E, S.L.B.&M.



LEGEND:

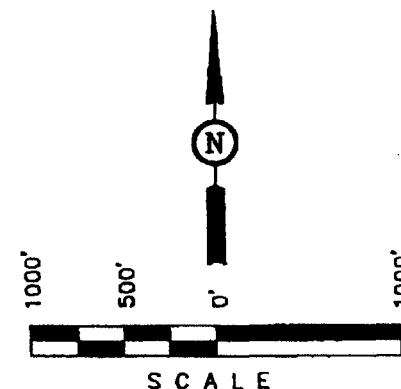
- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

COASTAL OIL & GAS CORP.

Well location, MORGAN STATE #12-36, located as shown in the NE 1/4 SE 1/4 of Section 36, T9S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATERS TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 12-7-96	DATE DRAWN: 12-19-96
PARTY L.D.T. B.B. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE COASTAL OIL & GAS CORP.	

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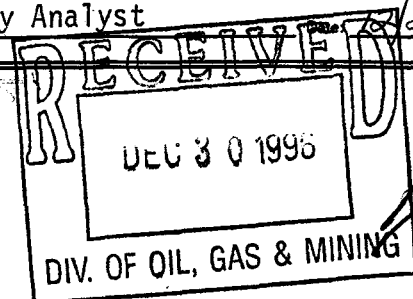
24. Name & Signature: <u>Sheila Bremer</u>	Environmental & Safety Analyst      Title: <u>Environmental &amp; Safety Analyst</u> Date: <u>12/27/96</u>
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API Number Assigned: 43-047-32814

Approval:

Matthew Petroleum Engineer



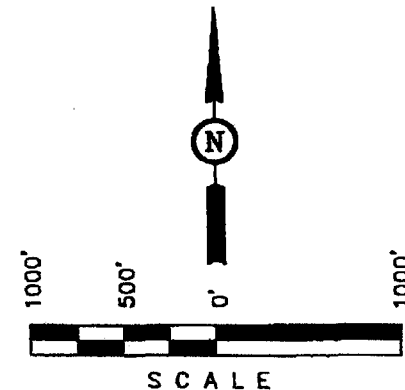
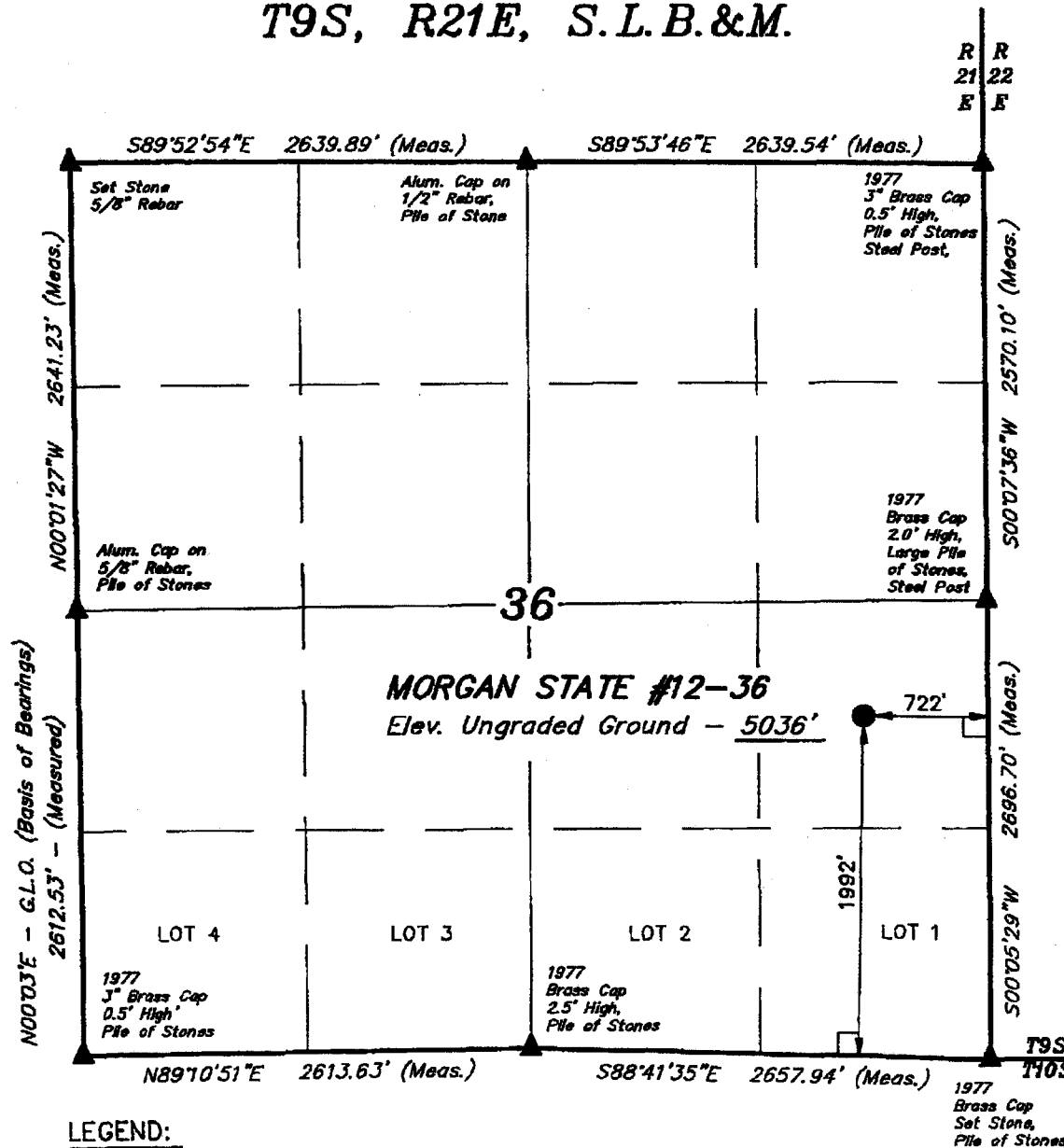
**T9S, R21E, S.L.B.&M.**

**COASTAL OIL & GAS CORP.**

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PARTY L.D.T. B.B. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE COASTAL OIL & GAS CORP.	



**MORGAN STATE #12-36  
1992' FSL & 722' FEL  
NE/SE, SECTION 36-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***DRILLING PROGRAM***

The proposed wellsite is on State of Utah surface/State of Utah minerals.

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	1,400'
Wasatch	4,600'
Mesaverde Sand	7,300'
Total Depth	8,200'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Green River	1,400'
Oil	Wasatch	4,600'
	Mesaverde Sand	7,300'
Gas	Wasatch	4,600'
	Mesaverde Sand	7,300'
Water	N/A	
Other Minerals	N/A	

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. Oil and gas shows will be tested to determine commercial potential.

3. **Pressure Control Equipment:** (Schematic Attached)

- a. The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11" drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.
- b. The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.
- c. Testing: The hydril will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 2,000 psi.

4. **Proposed Casing and Cementing Program:**

- a. The proposed Casing Program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/ft</u>	<u>Grade</u>	<u>Type</u>
Surface	0-250'	12 1/4"	8 5/8"	24#	K-55	ST&C
Production	0-TD	7 7/8"	4 1/2"	11.6#	K-55	LT&C

The surface casing will be tested to 1,500 psi prior to drilling out.

Casing design is subject to revision based on geologic conditions encountered.

- b. The Cement Program will be as follows:

<u>Surface</u>	<u>Fill</u>	<u>Type &amp; Amount</u>
0-250'	250'	Approximately 190 sx Class "G" + 2% CaCl <sub>2</sub> , 15.6 ppg, 1.19 CF/sx.
<u>Production</u>		<u>Type &amp; Amount</u>
500' above productive interval to surface		Lead: Extended, Lite, or Hi-Fill cement + additives, 11 ppg.
TD to 500' above productive interval		Tail: Extended Class "G" or 50:50 Poz + additives, 14 ppg.

For production casing, actual cement volumes will be determined from the caliper log.

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the shoe prior to drilling out.

5. **Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Mud Wt.</u>
0-TD'	Air/Air Mist/Aerated Water/Water (As hole conditions warrant.) Depending on hole conditions, the hole will be displaced to either 10 ppg brine or drilling mud prior to logging.	8.4 ppg or less

No chromate additives will be used in the mud system without prior approval to ensure adequate protection of fresh water aquifers.

**6. Evaluation Program:****a. Logging Program:**

DLL/SP: Base of surface casing to TD  
GR/Neutron Density: 2500'-TD

Drill Stem Tests: None anticipated.

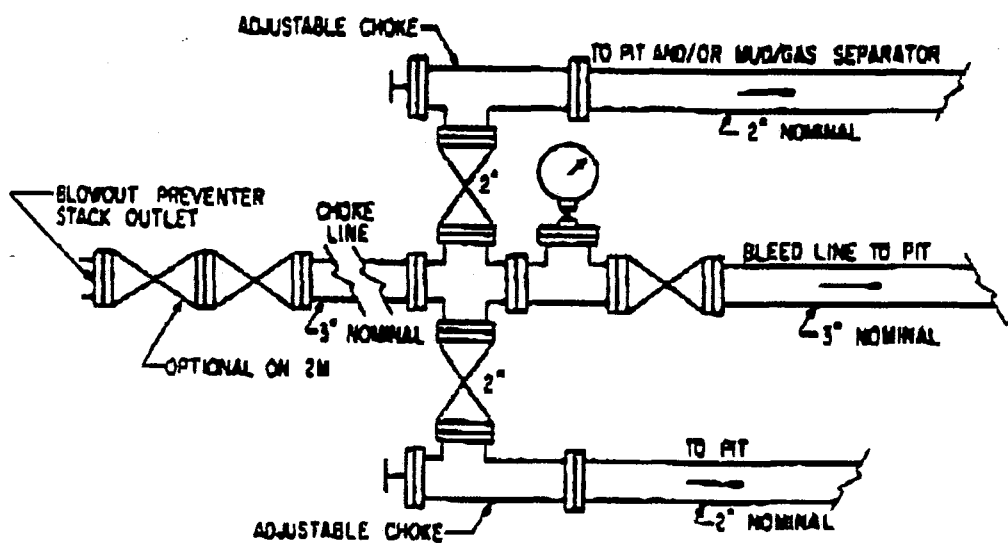
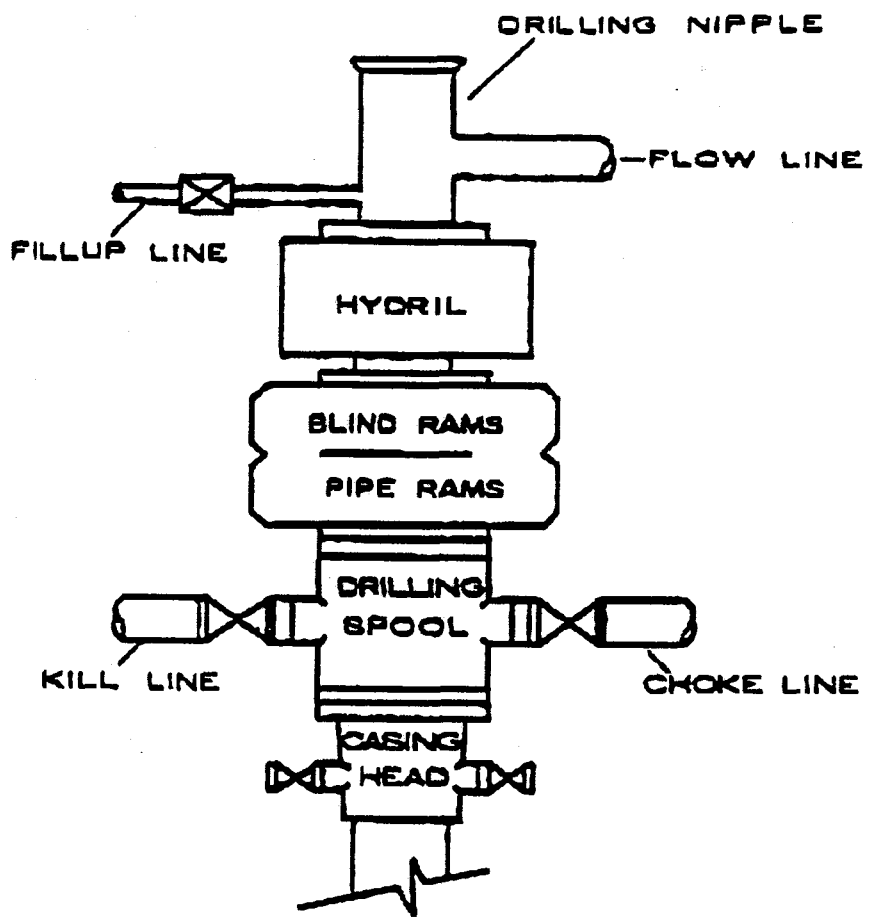
The Evaluation Program may change at the discretion of the well site geologist.

- b. No drill stem tests, stimulation, or frac treatment has been formulated for this well at this time; however, the drill site, as approved, will be of sufficient size to accommodate all completion activities. Any frac treatment program specifics will be submitted via sundry notices.

**7. Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered in or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure approximately equals 3,280 psi (calculated at 0.4 psi/foot) and maximum anticipated surface pressure equals approximately 1,476 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

3,000 psi  
BOP STACK



**MORGAN STATE #12-36  
1992' FSL & 722' FEL  
NE/SE, SECTION 36-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

*This Surface Use and Operations Plan is subject to change pending completion of the on-site inspection.*

1. **Existing Roads:**

The proposed wellsite is approximately 49.8 miles southwest of Vernal, Utah.

Directions to the location from Vernal, Utah, are:

Proceed westerly from Vernal on U.S. Highway 40 approximately 14.0 miles to the junction of State Highway 88; exit left and proceed south approximately 17.0 miles on State Highway 88 to Ouray, Utah; proceed south from Ouray approximately 6.9 miles on the Seep Ridge Road to the junction of this road and an existing oil field service road to the east; turn left and proceed in an easterly direction approximately 5.0 miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction approximately 0.3 miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly direction approximately 3.9 miles to the junction of this road and an existing road to the south; turn right and proceed in a southerly direction approximately 1.0 miles to the junction of this road and an existing road to the southeast; turn left and proceed in a southeasterly direction approximately 1.0 miles to the junction of this road and the beginning of the proposed access road for the Morgan State #5-36; turn right and follow road flags in a southwesterly direction approximately 0.4 miles to the proposed location for the #5-36 and the beginning of the proposed access road to the southeast; proceed in a southeasterly then northeasterly then southerly direction approximately 0.3 miles to the proposed location.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

***Improvements to existing access roads shall be determined at the on-site inspection.***

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Approximately 0.3 miles of new access will be required. The new access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, ***unless modified at the on-site inspection.*** Appropriate water control will be installed to control erosion.

***Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.***

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:** (See Map C)

- a. Water wells - 0
- b. Producing wells - 19
- c. Drilling wells - 0
- d. Shut-in wells - 0
- e. Temporarily abandoned wells - 0
- f. Disposal wells - 0
- g. Abandoned wells - 0
- h. Injection wells - 0

4. **Location of Existing and Proposed Facilities:**

The following guidelines will apply if the well is productive.

- a. All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.
- b. A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.
- c. All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

- d. Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.
- e. The proposed pipeline will leave the well pad in a southeasterly direction for an approximate distance of 2000' to tie into an existing pipeline. Please see Map D.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Section 32-T4S-R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

- a. Drill cuttings will be contained and buried in the reserve pit.
- b. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.
- c. The reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

- d. Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.
- e. A chemical porta-toilet will be furnished with the drilling rig.
- f. Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.
- g. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

- h. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). *This section is subject to modification as a result of the on-site inspection.*

See the attached diagram to describe rig orientation, parking areas, and access roads.

- a. The reserve pit will be located on the south side of the location.
- b. The stockpiled topsoil (first six inches) will be stored on the northeast side of the location. All brush removed from the well pad during construction will be stockpiled separately from the topsoil.
- c. The flare pit will be located on the west side of the location, downwind from the prevailing wind direction.
- d. Access will be from the north.
- e. All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.



- f. The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

a. Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

b. Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

a. Access Roads - The proposed access road is located on lands owned by:

- State of Utah  
Division of State Lands & Forestry

b. Well Pad - The well is located on land owned by:

- State of Utah  
Division of State Lands & Forestry  
3 Triad Center, #400  
Salt Lake City, Utah 84180-1204

12. **Other Information:**

- a. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
- b. The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities.
- c. Arch clearance for Section 36-T9S-R21E was obtained from Mr. Jim Cooper, Utah State Lands Trust.

13. **Lessee's or Operators's Representative and Certification:**


Sheila Bremer  
Environmental & Safety Analyst  
Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, CO 80201-0749  
(303) 573-4455

Keith Alverson  
Drilling Manager  
(713) 877-6354

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the operator, its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
\_\_\_\_\_  
Sheila Bremer

12/27/96  
\_\_\_\_\_  
Date

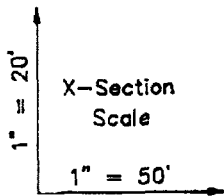
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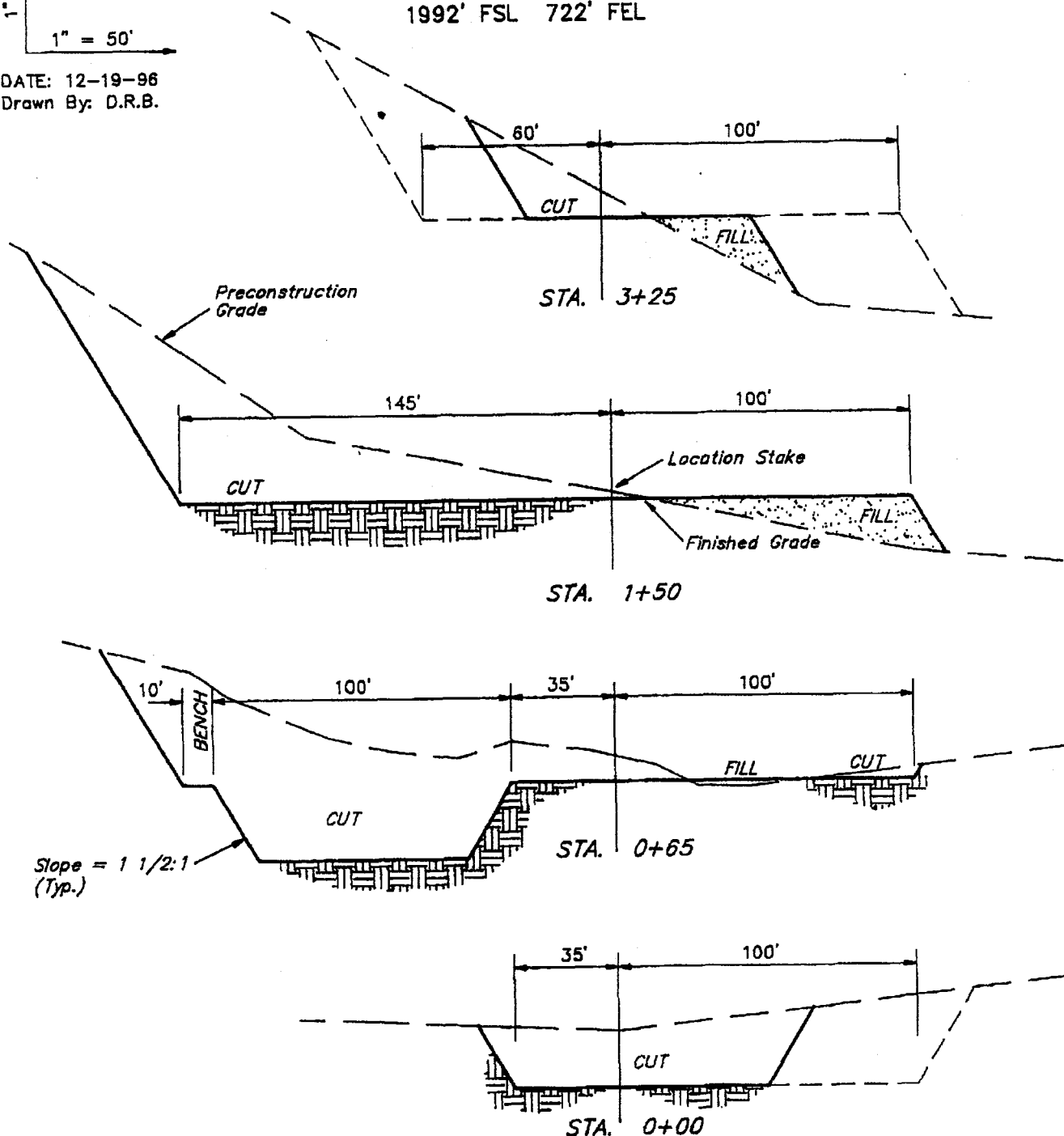
# COASTAL OIL & GAS CORP.

## TYPICAL CROSS SECTIONS FOR

MORGAN STATE #12-36  
SECTION 36, T9S, R21E, S.L.B.&M.  
1992' FSL 722' FEL



DATE: 12-19-96  
Drawn By: D.R.B.

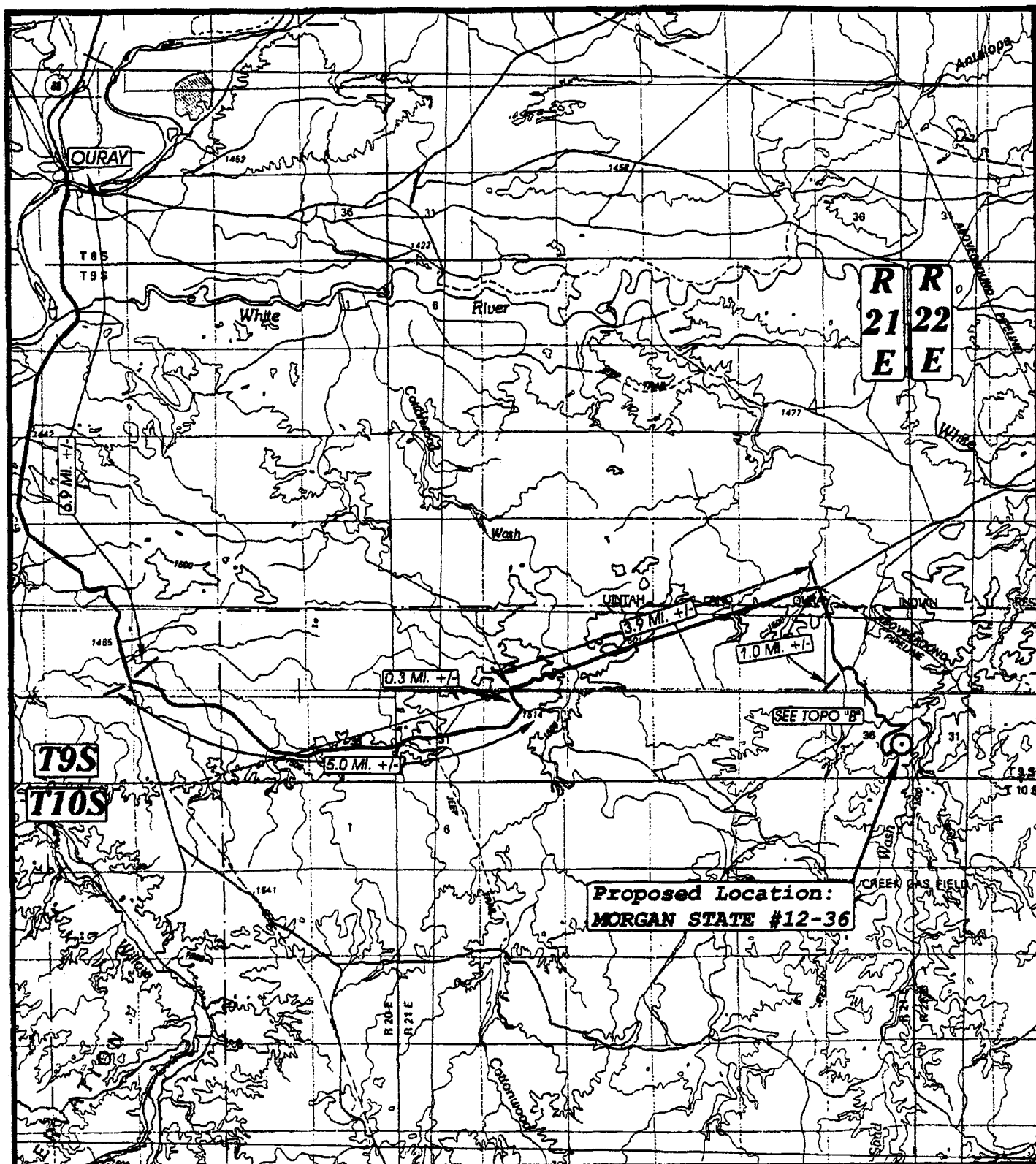


### FIGURE #2

#### APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,080 Cu. Yds.
Remaining Location	= 13,240 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 14,320 CU.YDS.</b>
<b>FILL</b>	<b>= 6,170 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 7,830 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,420 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 5,410 Cu. Yds.</b>



UELS

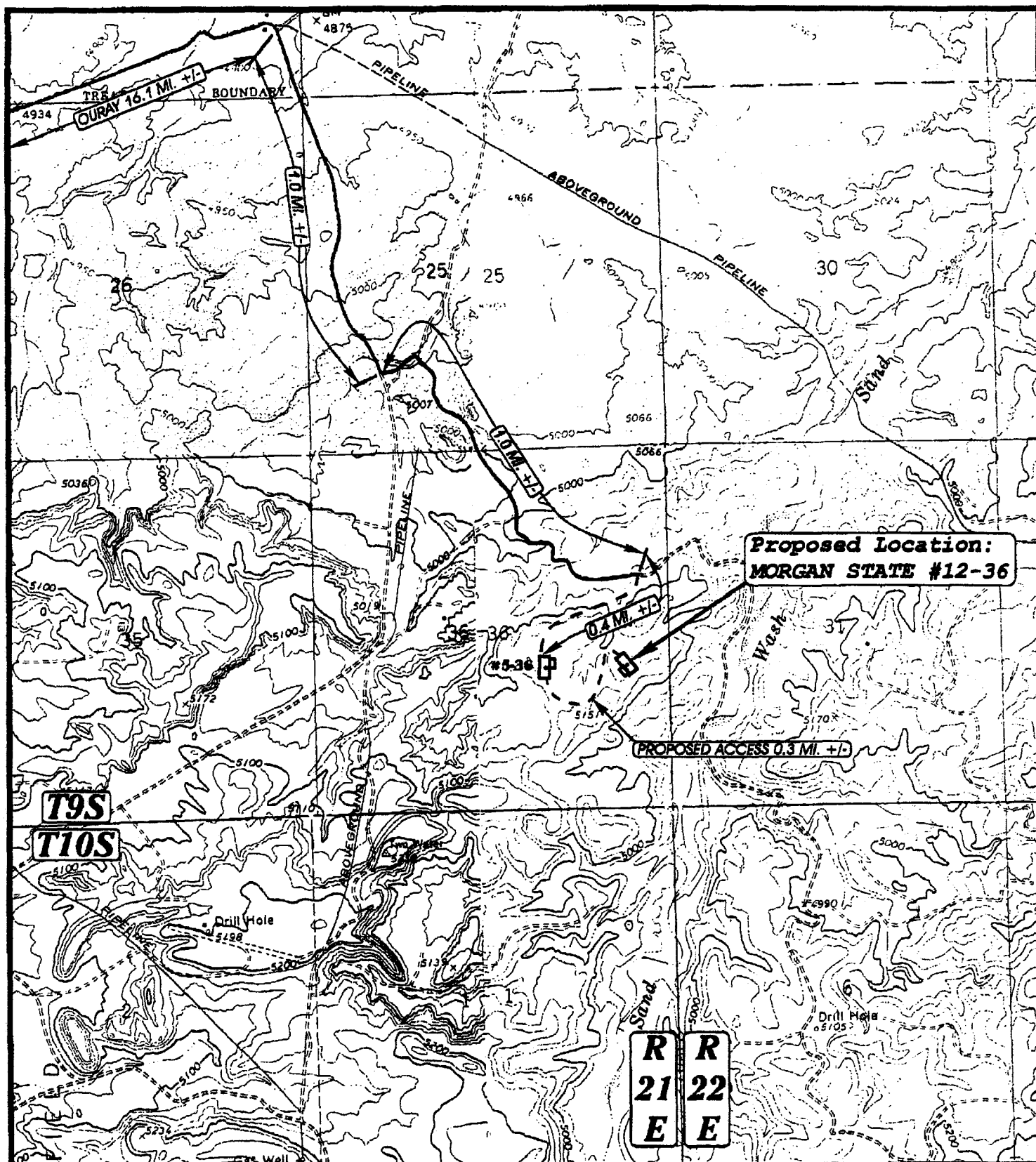
**TOPOGRAPHIC  
MAP "A"**

DATE: 12-16-96  
Drawn by: D. COX



**COASTAL OIL & GAS CORP.**

**MORGAN STATE #12-36  
SECTION 36, T9S, R21E, S.L.B.&M.  
1992' FSL 722' FEL**



UELS

# TOPOGRAPHIC MAP "B"

DATE: 12-16-96

Drawn by: D.COX

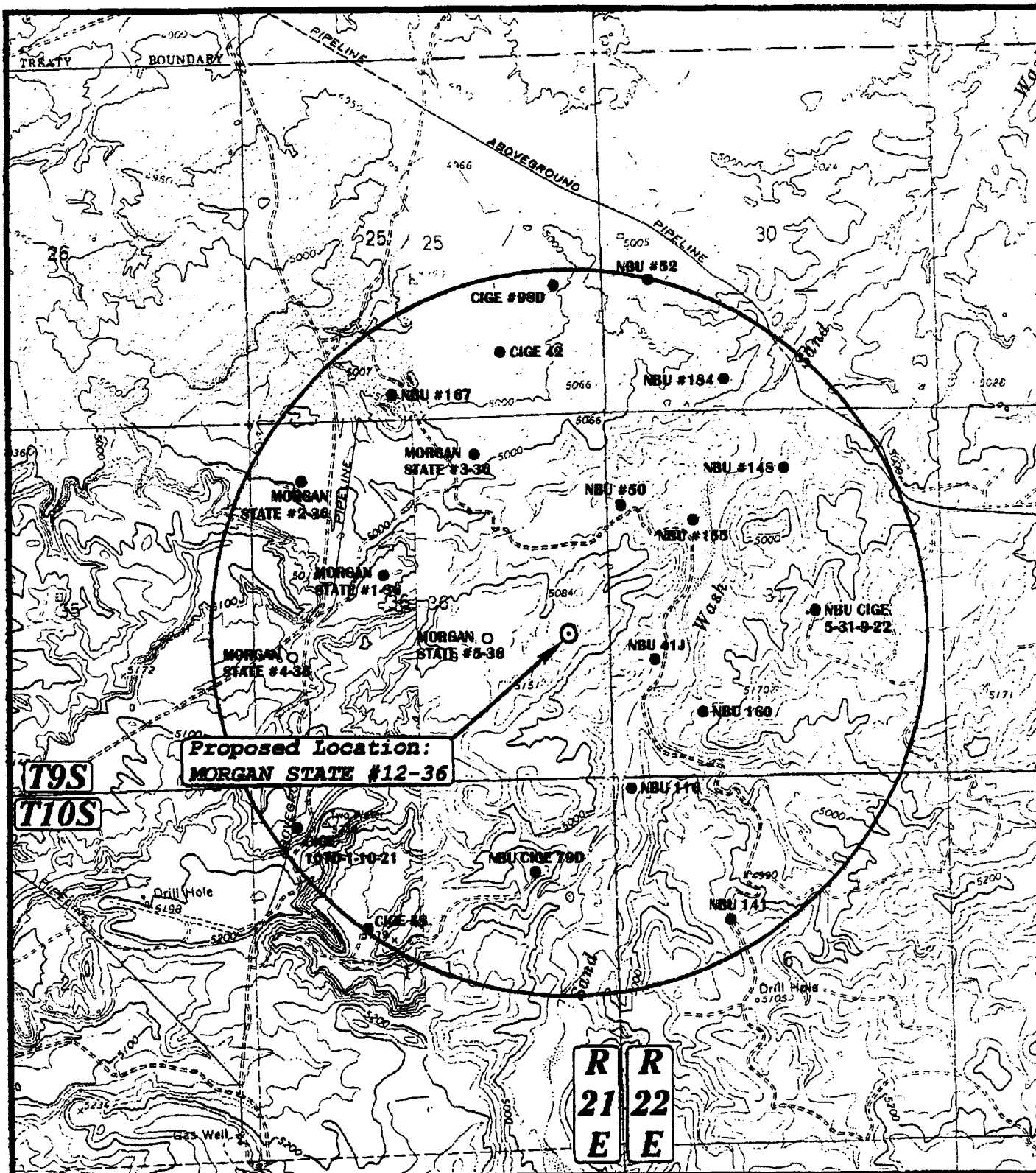
UTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



SCALE: 1" = 2000'

COASTAL OIL & GAS CORP.

MORGAN STATE #12-36  
SECTION 36, T9S, R21E, S.L.B.&M.  
1992' FSL 722' FEL



**LEGEND:**

- Water Wells
- Abandoned Wells
- ⊙ Temporarily Abandoned Wells
- ⊕ Disposal Wells
- ⊕ Drilling Wells
- ★ Producing Wells
- ★ Shut-in Wells

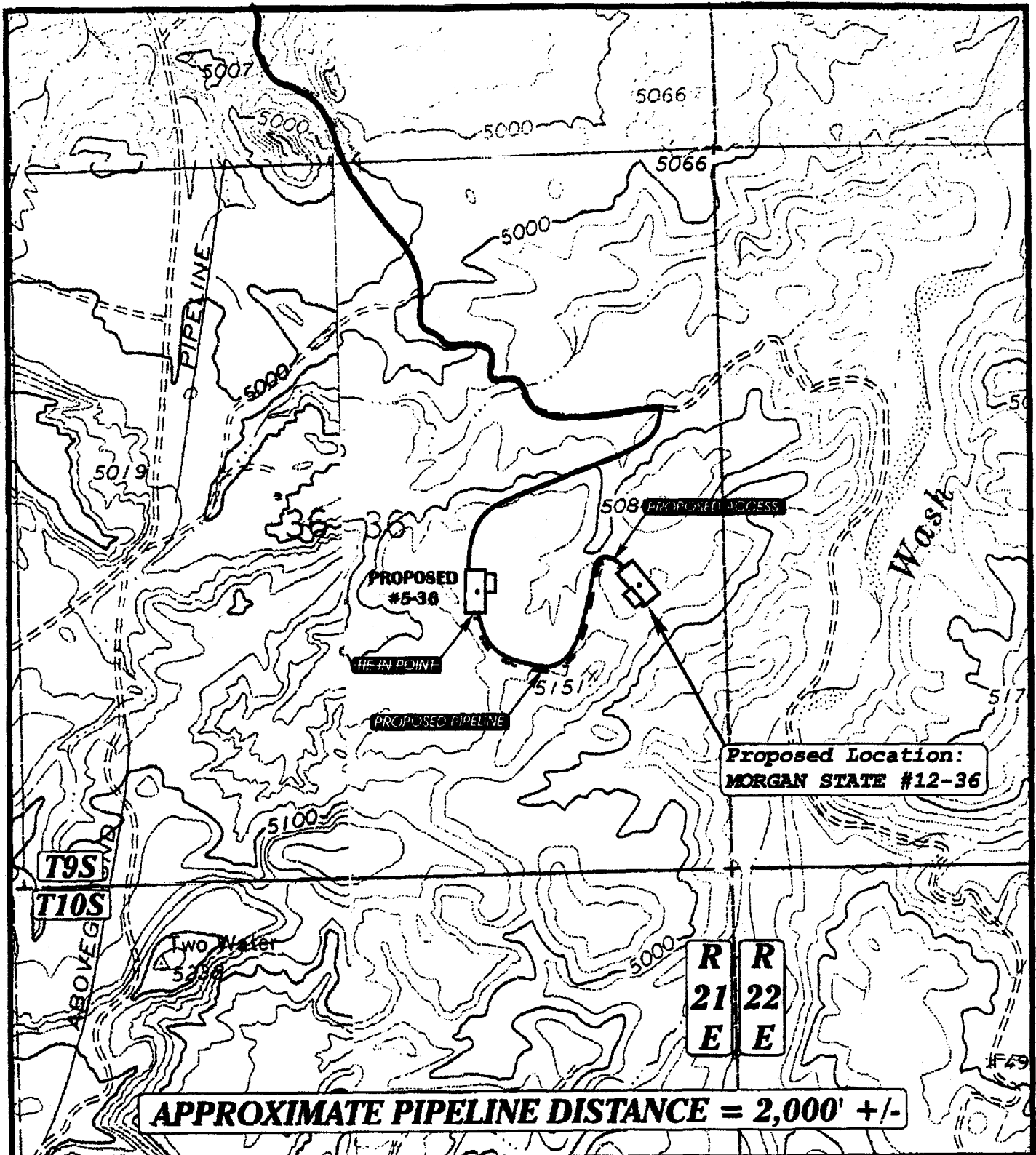
UTLS

UNITAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 790-1017

SCALE: 1" = 2000

**COASTAL OIL & GAS CORP.**

**MORGAN STATE #12-36**  
**SECTION 36, T9S, R21E, S.L.B.&M.**  
**TOPOGRAPHIC**  
**MAP "C"**  
DATE: 12-16-96  
DRAWN BY: D.COX



TOPOGRAPHIC  
MAP "D"

--- Existing Pipeline  
- - - Proposed Pipeline



COASTAL OIL & GAS CORP.

MORGAN STATE #12-36  
SECTION 36, T9S, R21E, S.L.B.&M.

DATE: 12-16-96  
Drawn by: D.COX

UNTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/30/96

API NO. ASSIGNED: 43-047-32814

WELL NAME: MORGAN STATE 12-36  
OPERATOR: COASTAL OIL & GAS CORP (N0230)

PROPOSED LOCATION:

NESE 36 - T09S - R21E  
SURFACE: 1992-FSL-0722-FEL  
BOTTOM: 1992-FSL-0722-FEL  
UINTAH COUNTY  
NATURAL BUTTES FIELD (630)

LEASE TYPE: STA  
LEASE NUMBER: ML - 22265

PROPOSED PRODUCING FORMATION: MVRD

INSPECT LOCATION BY: 01/15/97

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☐ State ☒ Fee ☐  
(Number 102103)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number 43-8496)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

*Natural Buttes*  
☒ R649-2-3. Unit: UTU 63047X  
☐ R649-3-2. General.  
☐ R649-3-3. Exception.  
☐ Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: COASTAL OIL &amp; GAS CORP</b>	<b>Well Name: MORGAN STATE 12-36</b>
<b>Project ID: 43-047-32814</b>	<b>Location: SEC 36 - T9S - R21E</b>

**Design Parameters:**

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 3130 psi  
 Internal gradient (burst) : 0.081 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	8,200	4.500	11.60	K-55	LT&C	8,200	3.875

	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	3791	4960	1.308	3791	5350	1.41	95.12	180	1.89 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 01-16-1997  
 Remarks :

**WASTACH MESAVERDE**

Minimum segment length for the 8,200 foot well is 1,500 feet.

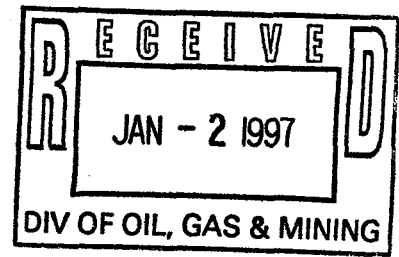
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas

temperature of 131°F (Surface 74°F , BHT 189°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 3,791 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



COASTAL OIL & GAS CORPORATION

MORGAN STATE #12-36

NE/SE SECTION 36, T9S, R21E, S.L.B.&M.

UINTAH COUNTY, UTAH

PALEONTOLOGY REPORT

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
P.O. BOX 731  
VERNAL, UTAH 84078

DECEMBER 23, 1996

RESULTS OF PALEONTOLOGY SURVEY AT MORGAN STATE #12-36, NE/SE SECTION 36, T9S, R21E, UINTAH COUNTY, UTAH.

Description of Geology and Topography-

All Rock outcrops in this area are of the Upper Eocene Uinta Formation. The Uinta Formation is primarily composed of fluvial deposits (stream laid) and is seen in the field as a series of interbedded sandstones and mudstones. Most of the sandstones represent paleostream channels and are usually lens shaped in cross section and shoe string-like horizontally. The mudstones usually represent over the bank deposits on ancient flood plains and quite often contain fossils. Fossils also occur in some of the sandstones. The Uinta Formation is known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains. Plant fossils, though not common have also been found in the Uinta Formation.

The proposed access road to #5-36 will be used by #12-36 and #13-36 also. It leaves the southeast quarter of the northeast quarter of section 36, near #10-36 and runs southwest as it climbs up on to a small plateau. It then turns south to #5-36. From #5-36 the access road runs south to a junction where it spits east to #12-36 and southwest to #13-36. The road to #12-36 curves from east to northeast, then southeast to the well location.

Location #12-36 sits in a badlands draw with eroding outcrops of mudstone and sandstone of the Uinta Formation. Drainage is to the north. Much of the well pad area was still covered by snow on December 16th, but clear patches allowed a sample survey of part of the location.

Fossil Material found-

Bone fragments were found scattered down a small drainage 130 to 140 feet north of the center stake at 352 degrees. Those fragments observed were highly weathered, but appeared to be mammal. There was also a spot with *Echmatemys* turtle shell fragments north of the location, 275+- feet north of the center stake.

Recommendations-

Because of the amount of fossil material found in those patches that were free of snow, it is recommended that this well location be more thoroughly surveyed for paleontology when the snow cover is gone.

Allen A. Henderson  
PALEONTOLOGIST

December 24, 1996  
DATE

United States  
Department of the Interior  
Bureau of Land Management

Paleontological Locality Form

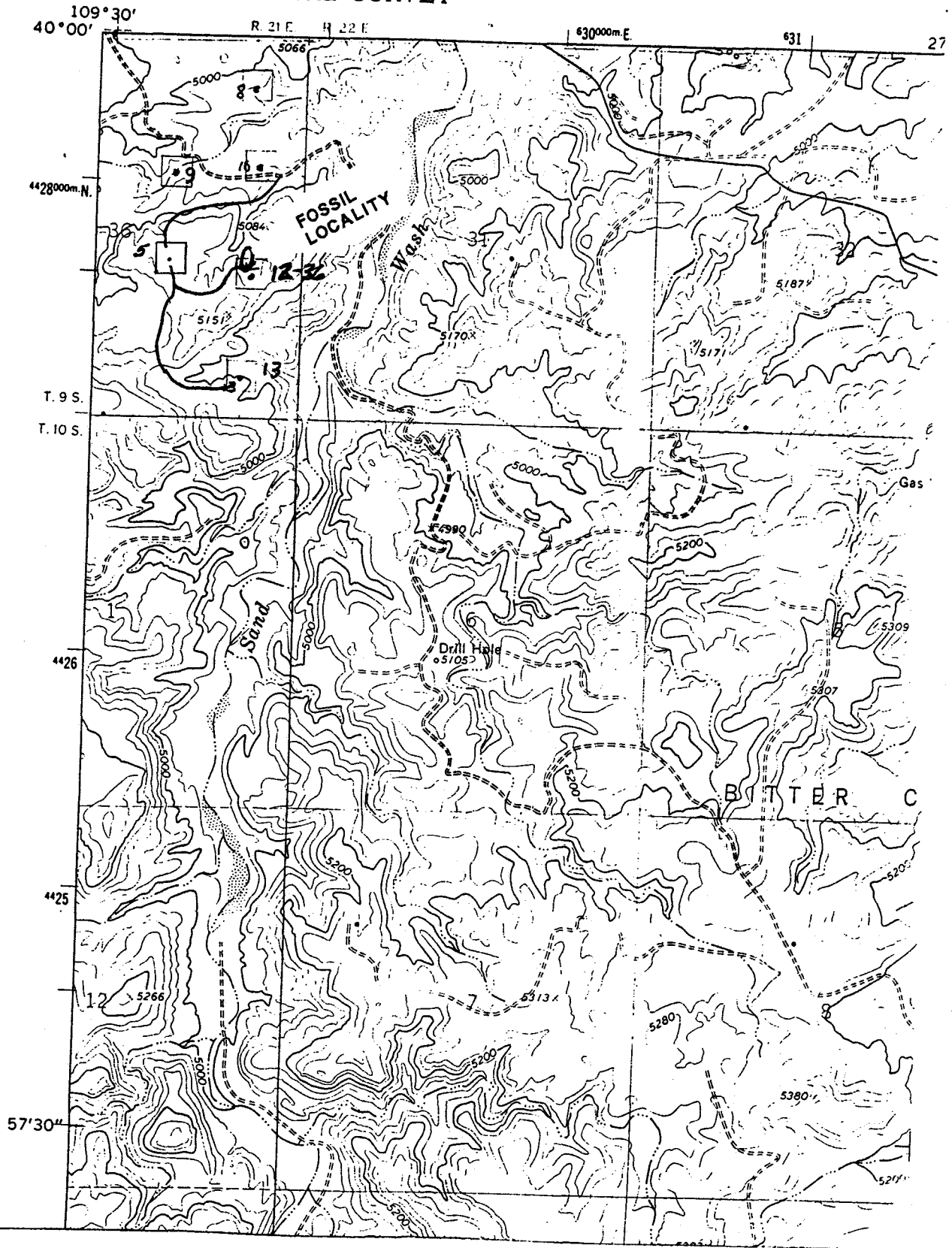
1. Permit #/Permittee: Alden H. Hamblin
2. Repository/Accn.#: UTAH FIELD HOUSE OF NATURAL HISTORY
3. Locality #: 42UN1 V [ ] Plant [X] Vertebrate [ ] Invertebrate [ ] Other
4. Formation (and subdivision, if known): Uinta Formation, lower member
5. Age: Late Eocene
6. County: UINTAH
7. BLM District: VERNAL -UTAH STATE LAND
8. Resource Area: Natural Butte Field
9. Map name: Archy Bench, Utah
10. Map source: U.S.G.S. 7 1/2 min. Quad.
11. Map scale: 1:24,000
12. Map edition: 1968, Photorevised- 1987
13. Latitude (deg., min., sec., direction): \_\_\_\_\_
14. Longitude (deg., min., sec., direction): \_\_\_\_\_
- or: UTM Grid Zone: 12 T Mammal?- 628698 mE 4427658 mN  
Turtle- 628676 mE 4427708 mN
15. Survey (Section, Township & Range): SE, NW, NE, SE, Sec. 36, T9S, R21E, SLB&M
16. Taxa observed/collected: Bone fragments were found scattered down a small drainage 130 to 140 feet north of the center stake at 352 degrees. Those fragments observed were highly weathered, but appeared to be mammal. There was also a spot with *Echmatemys* turtle shell fragments north of the location, 275+- feet north of the center stake.
17. Discoverer(s)/Collector(s): Alden H. Hamblin
18. Date(s): December 10 & 16, 1996
19. Locality Classification: Class 1X? Class 2\_\_\_ Class 3\_\_\_ Class 4\_\_\_ Class 5\_\_\_  
(1 = Critical, 2 = Significant, 3 = Important, 4 = Insignificant, 5 = Unimportant)
20. Remarks: This fossil site was found during the paleontology survey of Coastal Oil & Gas well Morgan State #12-36.

Recommendations-

Because of the amount of fossil material found in those patches that were free of snow, it is recommended that this well location be more thoroughly surveyed for paleontology when the snow cover is gone.

4084 11 SE  
(OURAY SE)

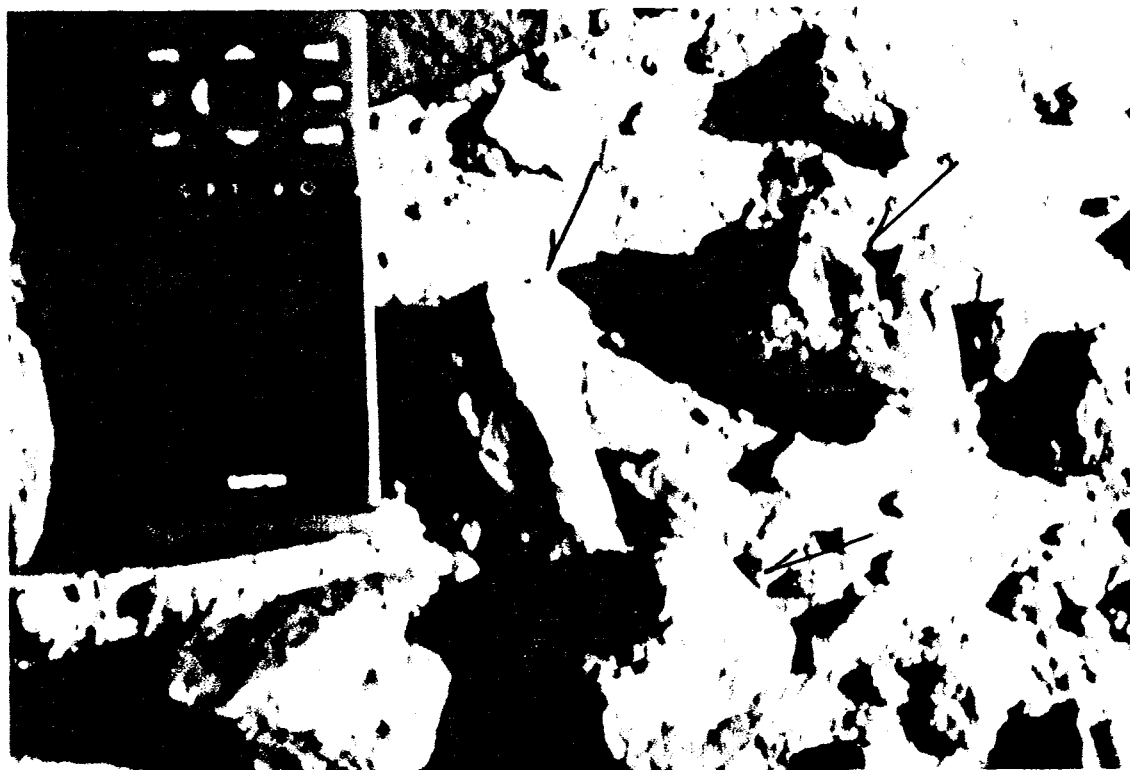
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



WELL LOCATION 12-36



FOSSIL SITE AT #12-36



MAMMAL? BONE FRAGMENTS, VERTEBRAE & TOOTH FRAGMENTS

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL & GAS CORP.

WELL NAME & NUMBER: MORGAN STATE 12-36

API NUMBER: 43-047-32814

LEASE: ML-22265 FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4, 1/4 NE/SE Sec: 36 TWP: 9S RNG: 21E 1992' FSL 722' FEL

LEGAL WELL SITING: 722F SEC. LINE; 598F 1/4, 1/4 LINE;       F ANOTHER WELL.

GPS COORD (UTM): 12628701E 4427615N

SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), SHIELA BREMER, PAUL BRESHEARS (COGC),  
ROBERT KAY (UELS), HARLEY JACKSON (JACKSON CONSTRUCTION), JIM JUSTICE  
(J-WEST).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SIGHT IS IN A SHALLOW BASIN AT THE HEAD OF A DRY WATERCOURSE RUNNING  
TO THE NORTHEAST.

CURRENT SURFACE USE: MINIMAL LIVESTOCK AND WILDLIFE GRAZING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 235'.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP  
FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION  
FACILITIES WILL BE ON LOCATION.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE  
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. SEWAGE  
FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL  
CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO A  
LANDFILL. ANY AND ALL HAZARDOUS WASTES WILL BE DISPOSED OF OFFSITE AT



AN APPROVED FACILITY.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE.

FLORA/FAUNA: NATIVE GRASSES, CHEATGRASS, PRICKLEY PEAR, SALTBUSH.  
VERY LITTLE VEGETATION-LESS THAN 5% COVER. PRONGHORN, RODENTS, COYOTES,  
BIRDS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY WITH DARK GRAY  
AND DARK RED SHALE.

SURFACE FORMATION & CHARACTERISTICS: UINTAH FORMATION, SOUTH FLANK OF  
UINTAH MOUNTAINS.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION,  
NO STABILITY PROBLEMS ANTICIPATED.

PALEONTOLOGICAL POTENTIAL: THIS SITE HAS BEEN INSPECTED BY ALDEN  
H.HAMBLIN AND WILL BE CHECKED AGAIN AFTER ALL SNOW HAS MELTED.

RESERVE PIT

CHARACTERISTICS: 100' BY 100' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE  
REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER STATE OF UTAH, TRUST LANDS.

SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS.

CULTURAL RESOURCES/ARCHAEOLOGY: AN ARCHAEOLOGICAL INVESTIGATION HAS BEEN  
WAIVED BY JIM COOPER, STATE OF UTAH S.I.T.C.A.

OTHER OBSERVATIONS/COMMENTS

THE ONSITE INVESTIGATION WAS DONE ON A COLD WINDY DAY. UP TO ONE INCH OF  
SNOW IN PLACES BUT OVER 50% BARE GROUND.

ATTACHMENTS:

PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

1/7/97 1:00 PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score** (Level II Sensitivity)

15

**DIVISION OF OIL, GAS AND MINING**  
**APPLICATION FOR PERMIT TO DRILL**  
**STATEMENT OF BASIS**

**Operator Name:** COASTAL OIL & GAS CORP.

**Name & Number:** MORGAN STATE 12-36

**API Number:** 43-047-32814

**Location:** 1/4,1/4 NE/SE Sec. 36 T. 9S R. 21E

**Geology/Ground Water:**

The base of moderately saline water is at a depth of approximately 3000 feet. There are no high quality aquifers in the area of the project. The proposed casing and cement program will adequately isolate and protect any water encountered. Aquifers that are encountered in this area are generally discontinuous and not subject to recharge.

**Reviewer:** D. Jarvis

**Date:** 1-16-97

**Surface:**

THE PRE-SITE INVESTIGATION OF THE SURFACE HAS BEEN PERFORMED BY FIELD PERSONNEL ON 1/7/97. ALL APPLICABLE SURFACE MANAGEMENT AGENCIES HAVE BEEN NOTIFIED AND THEIR CONCERNS ACCOMMODATED WHERE REASONABLE AND POSSIBLE. A LINER WILL NOT BE REQUIRED FOR THE RESERVE PIT AT THIS SITE, BUT THE RESERVE PIT MUST BE CONSTRUCTED SOUTH OF WELL BORE SO THAT IT WILL BE ENTIRELY IN CUT. THE PALEONTOLOGY INSPECTION WILL BE COMPLETED AFTER ALL SNOW HAS MELTED.

**Reviewer:** DAVID W. HACKFORD

**Date:** 1/8/97

**Conditions of Approval/Application for Permit to Drill:**

THE RESERVE PIT MUST BE CONSTRUCTED SOUTH OF WELL BORE.  
PALEONTOLOGY CLEARANCE MUST BE OBTAINED PRIOR TO APPROVAL. (B.Hill 1/16/97)



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

January 16, 1997

Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, Colorado 80201-0749

Re: Morgan State 12-36 Well, 1992' FSL, 722' FEL, NE SE,  
Sec. 36, T. 9 S., R. 21 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32814.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

Operator: Coastal Oil & Gas Corporation  
Well Name & Number: Morgan State 12-36  
API Number: 43-047-32814  
Lease: ML-22265  
Location: NE SE Sec. 36 T. 9 S. R. 21 E.

### Conditions of Approval

1. General  
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.
2. Notification Requirements  
Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.  
  
Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.
3. Reporting Requirements  
All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.
4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated January 16, 1997 (copy attached).

ENTITY ACTION FORM - FORM 6

OPERATOR Coastal Oil & Gas Corporation

OPERATOR ACCT. NO. N 0230

ADDRESS P.O. Box 749

Denver, CO 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12134	43-047-32811	Morgan State #7-36	NENW	36	9S	21E	Uintah	5/21/97	5/21/97
WELL 1 COMMENTS: This well is in the Natural Buttes Field but is not a part of the Natural Buttes Unit.											
A	99999	12135	43-047-32816	Morgan State #10-36	SENE	36	9S	21E	Uintah	5/22/97	5/22/97
WELL 2 COMMENTS: This well is in the Natural Buttes Field but is not a part of the Natural Buttes Unit.											
A	99999	12136	43-047-32814	Morgan State #12-36	NESE	36	9S	21E	Uintah	5/20/97	5/20/97
WELL 3 COMMENTS: This well is in the Natural Buttes Field but is not a part of the Natural Buttes Unit.											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Sheila Bremer  
Signature Sheila Bremer  
Title Environ. & Safety Analyst Date 5/28/97

Phone No. (303) 573-4455



DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: COASTAL OIL & GAS CORP.

Well Name: MORGAN STATE 12-36

Api No. 43-047-32814

Section: 36 Township: 9S Range: 21E County: UINTAH

Drilling Contractor

Rig #

SPUDDED:

Date 5/20/97

Time

How DRY HOLE

Drilling will commence

Reported by D. HACKFORD-DOGM

Telephone #

Date: 5/30/97 Signed: JLT

✓

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil &amp; Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 1992' FSL &amp; 722' FEL

QQ, Sec., T., R., M.: NESE, Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State 12-36

9. API Well Number:

43-047-32814

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Spud Notice                                   |

Date of work completion 5/20/97

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

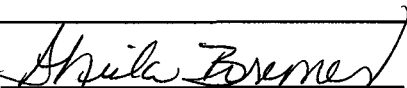
\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MI Bill Martin Jr. (air rig) & spud @ 11:45 a.m. on 5/20/97. Drill 11" hole to 256' & ran 6 jts 8-5/8", 24#, K-55, ST&C w/Howco shoe & 3 centr. Cmt w/Halliburton. Pmpd 20 bbls gelled wtr ahead of 85 sx Prem AG w/2% CaCl<sub>2</sub>, wt. 15.6, yld 1.18. Drop plug & displ w/15.2 bbls wtr, +/- 5 bbls cmt to pit.

13.

Name &amp; Signature



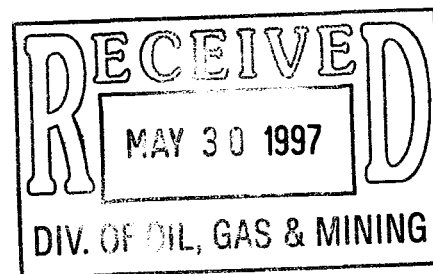
Title

Sheila Bremer

Environmental &amp; Safety Analyst

Date 5/28/97

(This space for State use only)



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: COASTAL OIL & GAS CORP. COMPANY REP: SCOTT SEELY

WELL NAME MORGAN STATE 12-36 API NO 43-047-32814

QTR/QTR: NE/SE SECTION: 36 TWP: 9S RANGE: 21E

CONTRACTOR: COASTAL DRILL RIG NUMBER: 1

INSPECTOR: DAVID HACKFORD TIME: 2:40 PM DATE: 7/14/97

SPUD DATE: DRY: 5/20/97 ROTARY: 7/9/97 PROJECTED TD 8200'

OPERATIONS AT TIME OF VISIT: DRILLING 7 7/8" HOLE AT 3358'.

WELL SIGN: Y MUD WEIGHT 8.3 LBS/GAL BOPE: Y

BLOOIE LINE: Y FLARE PIT: N H2S POTENTIAL: Y

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: N BENTONITE: N SANITATION: Y

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

REMARKS:

WELL BEING DRILLED WITH 3% AERATED KCL WATER. SURFACE PIPE SET AND CEMENTED. SURVEY AT 3713' WAS 1 3/4 DEGREES. NIPPLED UP WITH DOUBLE GATE, ANNULAR AND ROTATING HEAD. REMOTE CLOSING UNIT ON FLOOR AND FUNCTIONAL.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 1992' FSL & 722' FEL

QQ, Sec., T., R., M.: NESE, Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #12-36

9. API Well Number:

43-047-32814

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT (Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing              | <input type="checkbox"/> Pull or Alter Casing |
| <input checked="" type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection       | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion        | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____                |   |

Approximate date work will start Upon Approval

##### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Date of work completion \_\_\_\_\_

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator proposes changing casing plan as follows:

Purpose - Production

Depth - 0-7100'

Csg Size - 5-1/2"

Wt/ft - 7#

Grade - N-80

Type - LT&C

Purpose - Liner

Depth - 6800'-8000'

Csg Size - 3-1/2"

Wt/Ft - 9.3#

Grade - N-80

Type - AB STL

13.

Name & Signature

*Sheila Bremer*

Title

Sheila Bremer

Environmental & Safety Analyst

Date 7/17/97

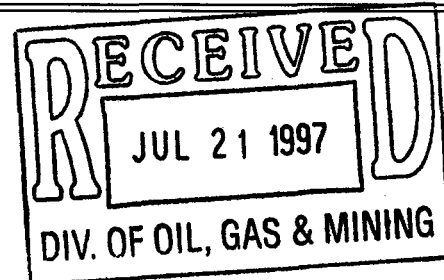
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APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/22/97

BY: *[Signature]*

(See Instructions on Reverse Side)



(3)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: COASTAL OIL & GAS CORP. COMPANY REP: SCOTT SEELY

WELL NAME MORGAN STATE 12-36 API NO 43-047-32814

QTR/QTR: NE/SE SECTION: 36 TWP: 9S RANGE: 21E

CONTRACTOR: COLORADO WELL SERVICE RIG NUMBER: 35

INSPECTOR: DAVID HACKFORD TIME: 11:50 AM DATE: 9/15/97

SPUD DATE: DRY: 5/20/97 ROTARY: 7/9/97 PROJECTED TD 8200'

OPERATIONS AT TIME OF VISIT: PULL OUT OF HOLE WITH DRILL STRING  
FOR BIT TRIP AT 7130'.

WELL SIGN: Y MUD WEIGHT 10.0 LBS/GAL BOPE: Y

BLOOIE LINE: N FLARE PIT: N H2S POTENTIAL: Y

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: N BENTONITE: N SANITATION: Y

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: Y

REMARKS:

WELL WAS DRILLED TO 7100' WITH COASTAL DRILL RIG #1. 7100' WAS  
REACHED 7/22/97. INTERMEDIATE CASING WAS SET AT THIS POINT. THE  
RIG MOVED OFF AND CWS RIG #35 MOVED ON AND STARTED DRILLING ON  
9/14/97. NIPPLED UP WITH DOUBLE GATE, ANNULAR AND ROTATING HEAD.  
DRILLING WITH 10.0 POUND BRINE WATER USING MUD MOTOR.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

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Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 1992' FSL & 722' FEL

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5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #12-36

9. API Well Number:

43-047-32814

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
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| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

##### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Drilling Operations                           |

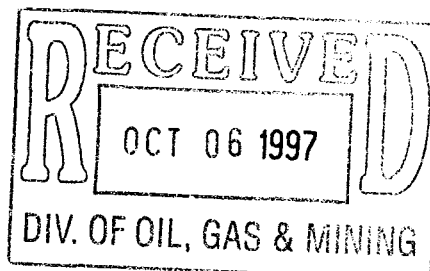
Date of work completion 10/1/97

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.



13.

Name & Signature

*Sheila Bremer*

Title

Sheila Bremer

Environmental & Safety Analyst

Date

10/2/97

(This space for State use only)

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : MORGAN STATE #12-36****DISTRICT : ORLG****FIELD : NATURAL BUTTES****LOCATION :****COUNTY & STATE : UTAH****UT****CONTRACTOR : COASTALDRIL****WI% : AFE# : 27056****API# : 43-047-32814****PLAN DEPTH :****SPUD DATE : 7/9/97****DHC : CWC :****AFE TOTAL :****FORMATION :****REPORT DATE : 5/21/97****MD : 255****TVD :****DAYS : 0****MW :****VISC :****DAILY : DC : \$8,385****CC : \$0****TC : \$8,385****CUM : DC : \$8,385****CC : \$0****TC : \$8,385**

**DAILY DETAILS :** MI BILL MARTIN JR (AIR RIG). DRILL RAT & MOUSE HOLE & SPUD @ 11:45 AM 5/20/97. DRILL 11" HOLE TO 256' & RAN 6 JTS 8 5/8" 24# K55 ST&C W/HOWCO SHOE & 3 CENTRALIZERS. CMT W/HALLIBURTON. PMPD 20 BBLs GELLED WTR AHEAD OF 85 SXS PREM AG W/2% CACL2. WT 15.6, Y 1.18. DROP PLUG & DISPL W/15.2 BBLs WTR +/- 5 BBLs CMT TO PIT.

**REPORT DATE : 7/8/97****MD : 270****TVD :****DAYS : 0****MW :****VISC :****DAILY : DC : \$29,459****CC : \$0****TC : \$29,459****CUM : DC : \$37,844****CC : \$0****TC : \$37,844**

**DAILY DETAILS :** RD & MOVE FROM MS 13-36 & RU ON MS 12-36. MICHAEL RICHARDSON WAS TAKEN TO ASHLEY VALLEY MED. CENTER. TREATED & RELEASED AFTER BEING HIT ON LEFT SHOULDER & HAND BY A PUMP ROD DROPPED ON HIM. NO BROKEN BONES OR CUTS.

**REPORT DATE : 7/9/97****MD : 343****TVD :****DAYS : 1****MW :****VISC :****DAILY : DC : \$15,782****CC : \$0****TC : \$15,782****CUM : DC : \$53,626****CC : \$0****TC : \$53,626**

**DAILY DETAILS :** RU RT PRESS TEST BOP'S TO 2000, 8 5/8" CSG & ANNULAR TO 1500 PU BHA & TAG CMT @ 235' DRILL CMT 235-270' DRLG 270-343'. DAVE HACKFORD W/UTAH STATE WAS NOTIFIED F/PRESS TEST. NOT WITNESSED

**REPORT DATE : 7/10/97****MD : 1,475****TVD :****DAYS : 2****MW :****VISC :****DAILY : DC : \$14,578****CC : \$0****TC : \$14,578****CUM : DC : \$68,204****CC : \$0****TC : \$68,204**

**DAILY DETAILS :** DRLG 343-781' SURVEY @ 736' DRLG 781-1299' SURVEY @ 1255' DRLG 1299-1475'

**REPORT DATE : 7/11/97****MD : 2,000****TVD :****DAYS : 3****MW : 8.4****VISC : 27****DAILY : DC : \$34,417****CC : \$0****TC : \$34,417****CUM : DC : \$102,621****CC : \$0****TC : \$102,621**

**DAILY DETAILS :** DRLG 1475-1658' POOH F/PLUGGED BIT RS TIH DRLG 1658-1764' SURVEY DRLG 1764-2000'

**REPORT DATE : 7/12/97****MD : 2,262****TVD :****DAYS : 4****MW : 8.4****VISC : 27****DAILY : DC : \$19,720****CC : \$0****TC : \$19,720****CUM : DC : \$122,341****CC : \$0****TC : \$122,341**

**DAILY DETAILS :** DRLG 2000-2262' POOH TO SET CMT PLGU F/LOSS CIRC PU 10 JTS DP & TIH OPEN ENDED MIX & PMP LCM SWEEP & CMT W/HALLIBURTON. PMPD 150 SXS THIXOTROPIC W/12% CALSEAL, 2% CACL2, 1/2#/SX FLOCELE, 10#/SX GILSONITE & 3#/SX GRANULITE, WT 13.9, Y 1.75, 48 BLS. DISPL W/10 BBLs WTR POOH WOC LD DP & TIH. TAG CMT @ 1791' POOH FOR PLUGGED BIT. (HOLE STAYING FULL)

PERC

## WELL CHRONOLOGY REPORT

REPORT DATE : 7/13/97 MD : 2.885 TVD : DAYS : 5 MW : 8.4 VISC : 27  
 DAILY : DC : \$13.854 CC : \$0 TC : \$13.854 CUM : DC : \$136.285 CC : \$0 TC : \$136.285  
 DAILY DETAILS : TIH TRIP FOR PLUGGED BIT (RAG) DRILL CMT 1530-1579' TIH TO BTM 7 STDS DRLG  
 2262-2294' W/FULL RET SURVEY @ 2215' 1/2 DEG DRLG 2294-2762' SURVEY 2717' 1/2 DEG  
 DRLG 2762-2885'. WELL IS KICKING & MAKING WATER - RES PIT NEAR FULL

REPORT DATE : 7/14/97 MD : 3.582 TVD : DAYS : 6 MW : 8.5 VISC : 27  
 DAILY : DC : \$10.792 CC : \$0 TC : \$10.792 CUM : DC : \$147.087 CC : \$0 TC : \$147.087  
 DAILY DETAILS : DRLG 2885-3230' SURVEY @ 3185' 2 DEGS RS DRLG 3230-3582' DB: 3321-27', 3352-73',  
 3398-408'. SRILL W/AIR F/3384-3509'

REPORT DATE : 7/15/97 MD : 4.287 TVD : DAYS : 7 MW : 8.6 VISC : 27  
 DAILY : DC : \$16.586 CC : \$0 TC : \$16.586 CUM : DC : \$163.672 CC : \$0 TC : \$163.672  
 DAILY DETAILS : DRLG 3582-3758' SURVEY @ 3763' 1 3/4 DEGS RS DRLG 3758-3974' RS DRLG 3974-  
 4258' SURVEY @ 4211' DRLG 4256-4287' DB: 4056-4091', 4120-4186', 4243-4259'. DRILLED  
 W/AIR 3912-4099'

REPORT DATE : 7/16/97 MD : 4.587 TVD : DAYS : 8 MW : 8.6 VISC : 27  
 DAILY : DC : \$12.888 CC : \$0 TC : \$12.888 CUM : DC : \$176.560 CC : \$0 TC : \$176.560  
 DAILY DETAILS : DRLG 4287-4318' SURVEY @ 4273' 4 DEGS DRLG 4318-4425' SURVEY @ 4397' DRLG  
 4425-4594' SURVEY @ 4549' 4 1/2 DEGS DRLG 4594-4587' TOOH F/BIT #3 WELL KICKING.  
 KELLY UP TO CIRC & KILL WELL @ 2237

REPORT DATE : 7/17/97 MD : 4.898 TVD : DAYS : 9 MW : 8.6 VISC : 27  
 DAILY : DC : \$18.092 CC : \$0 TC : \$18.092 CUM : DC : \$194.652 CC : \$0 TC : \$194.652  
 DAILY DETAILS : TOOH KILL WELL. TIH W/BHA SLIP & CUT DRLG LINE TIH W/BIT #3 BRK CIRC. W&R 60'  
 TO BTM. 15' FILL BRK IN BIT, DRLG 4687-4736' TOOH W/3 STDS. REPAIR ROTARY TORQUE.  
 TIH W/3 STDS DRLG 4736-4843' CIRC & SURVEY @ 4798' 3 DEGS DRLG 4843-4998'

REPORT DATE : 7/18/97 MD : 5.529 TVD : DAYS : 10 MW : 8.6 VISC : 27  
 DAILY : DC : \$13.521 CC : \$0 TC : \$13.521 CUM : DC : \$208.173 CC : \$0 TC : \$208.173  
 DAILY DETAILS : DRLG 4998-5029' CIRC & SURVEY DRLG 5029-5247' CIRC & SURVEY DRLG 5247-5529'.  
 DB: 5418-5428', 5454-5471'

REPORT DATE : 7/19/97 MD : 5.991 TVD : DAYS : 11 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.791 CC : \$0 TC : \$13.791 CUM : DC : \$221.965 CC : \$0 TC : \$221.965  
 DAILY DETAILS : DRLG 5529-5775' RS SURVEY @ 5730' DRLG 5775-5991'. DB: 5418-33', 5529-37'. SD AIR  
 COMPRESSOR @ 5940'

REPORT DATE : 7/20/97 MD : 6.380 TVD : DAYS : 12 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.945 CC : \$0 TC : \$13.945 CUM : DC : \$235.909 CC : \$0 TC : \$235.909  
 DAILY DETAILS : DRLG 6272' SURVEY @ 6227' 1/2 DEGS DRLG 6380'. DB: 6324-6331'



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/21/97 MD : 6.510 TVD : DAYS : 13 MW : 8.7 VISC : 27  
 DAILY : DC : \$18.497 CC : \$0 TC : \$18.497 CUM : DC : \$254.407 CC : \$0 TC : \$254.407  
 DAILY DETAILS : DRLG 6430' TOOH W/BIT #3 TIH W/BIT #4. CIR C& KILL WELL 4 TIMES GIH. W&R TO BTM 60'  
 DRLG 6510'. DB: 6477-6491'

REPORT DATE : 7/22/97 MD : 6.900 TVD : DAYS : 14 MW : 8.7 VISC : 27  
 DAILY : DC : \$12.808 CC : \$0 TC : \$12.808 CUM : DC : \$267.214 CC : \$0 TC : \$267.214  
 DAILY DETAILS : DRLG 6585' RS DRLG 6585-6741' SURVEY @ 6710' 1/2 DEG DRLG 6741-6900'. NO DRLG  
 BREAKS

REPORT DATE : 7/23/97 MD : 7.100 TVD : DAYS : 15 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.087 CC : \$0 TC : \$13.087 CUM : DC : \$280.302 CC : \$0 TC : \$280.302  
 DAILY DETAILS : DRLG 6930' RS DRLG 7100' CIRC F/SHORT TRIP SHORT TRIP - 2500'. WORK TIGHT  
 SPOTS 5500' TO 5000' W&R 60' TO BTM CIRC & COND F/LOGS DISPL HOLE W/GELLED  
 BRINE TOOH F/LOGS

REPORT DATE : 7/24/97 MD : 7.100 TVD : DAYS : 16 MW : 8.7 VISC : 27  
 DAILY : DC : \$0 CC : \$30.143 TC : \$30.143 CUM : DC : \$280.302 CC : \$30.143 TC : \$310.445  
 DAILY DETAILS : TOOH F/LOGS RU WL. RUN LOGS TO 7097'. LOG TO SURF/RUN KILL WELL RD WL. TIH.  
 NO BRIDGES CIRC PIT DWN HOLE TOOH. LD DP, HWDP & DC'S. BRK KELLY RU CSG  
 CREW PU 5 1/2" FS, 1 JT FC, TIH W/5 1/2" L80 17# CSG

REPORT DATE : 7/25/97 MD : 7.100 TVD : DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$58.736 TC : \$58.736 CUM : DC : \$280.302 CC : \$88.880 TC : \$369.181  
 DAILY DETAILS : RUN 188 JTS 5 1/2" 17# L80 W/GEMACO FLOAT EQUIP. TOTAL STRING 7103.28', 26 CENT ON  
 EVERY OTHER JT F/TD & 4 CENT ACROSS TRAANS ZONES CIRC LAST 3 JTS TO BTM CIRC  
 CMT W/DOWELL. PMP 100 BBL GEL 80 BBL WTR W/F75N LEAD 455 SXS HILIFT. WT 12.1, Y 2.  
 66, 216 BBLs. TAIL 985 SXS SELF STRESS II, Y 1.53, WT 14.4, 263 BBLs. DROP PLUG. DISPL  
 W/164 BBLs 2% KCL. BUMP PLUG 900 PSI OVER, NOT HOLDING. SHUT WELL IN. SET SLIPS  
 W/90,000# TENSION WOC CUT OFF L/JT & LD SAME. REL RIG @ 7:00 7/24/97.

REPORT DATE : 7/26/97 MD : 7.100 TVD : DAYS : 18 MW : VISC :  
 DAILY : DC : \$0 CC : \$71.729 TC : \$71.729 CUM : DC : \$280.302 CC : \$160.609 TC : \$440.911  
 DAILY DETAILS : RL CD #1 7:00 PM 7/24/97

REPORT DATE : 9/15/97 MD : 7.120 TVD : DAYS : 19 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$13.002 TC : \$13.002 CUM : DC : \$280.302 CC : \$173.611 TC : \$453.913  
 DAILY DETAILS : TALLY TBG & PU BHA PU TBG & TAG @ 7318' DISPL HOLE W/10# BRINE TST CSG TO 3000  
 PSI DRILL CMT, FLOAT & SHOE DRLG 7100-7120'

REPORT DATE : 9/16/97 MD : 7.181 TVD : DAYS : 20 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.874 TC : \$9.874 CUM : DC : \$280.302 CC : \$183.484 TC : \$463.786  
 DAILY DETAILS : DRLG CIRC LD SWIVEL & POOH FOR BIT TIH DRLG RU WIND WALLS DRLG

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 9/17/97 MD : 7.271 TVD : DAYS : 21 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.778 TC : \$8.778 CUM : DC : \$280.302 CC : \$192.282 TC : \$472.564  
 DAILY DETAILS : DRLG RIG REPAIR (PMP) DRLG CHANGE SUB ON SWIVEL DRLG

REPORT DATE : 9/18/97 MD : 7.317 TVD : DAYS : 22 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.385 TC : \$8.385 CUM : DC : \$280.302 CC : \$200.648 TC : \$480.949  
 DAILY DETAILS : DRLG 7271' TO 7278'. CIRCULATE. TRIP F/BIT #3. BREAK CIRC & WASH 30' F/BTM. DRLG 7278' - 7317'.

REPORT DATE : 9/19/97 MD : 7.390 TVD : DAYS : 23 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.884 TC : \$9.884 CUM : DC : \$280.302 CC : \$210.531 TC : \$490.833  
 DAILY DETAILS : DRLG RS DRLG

REPORT DATE : 9/20/97 MD : 7.425 TVD : DAYS : 24 MW : 10.0 VISC : 27  
 DAILY : DC : \$8.987 CC : \$9.884 TC : \$18.871 CUM : DC : \$289.289 CC : \$220.415 TC : \$509.703  
 DAILY DETAILS : DRLG F/7380' T/7403'. TRIP F/BIT. BREAK CIRC & WASH F/7323 T/7403 (POWER SWIVEL DOWN). W.O. NEW POWER SWIVEL (ROADS ARE BAD - RAIN & FLOODING). DRLG 7403' TO 7425'.

REPORT DATE : 9/21/97 MD : 7.497 TVD : DAYS : 25 MW : 10.0 VISC : 27  
 DAILY : DC : \$7.766 CC : \$9.884 TC : \$17.650 CUM : DC : \$297.055 CC : \$230.298 TC : \$527.353  
 DAILY DETAILS : DRLG 7425'-7497'.

REPORT DATE : 9/22/97 MD : 7.550 TVD : DAYS : 26 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.229 CC : \$9.884 TC : \$19.113 CUM : DC : \$306.284 CC : \$240.182 TC : \$546.465  
 DAILY DETAILS : DRILLING.

REPORT DATE : 9/23/97 MD : 7.595 TVD : DAYS : 27 MW : 10.0 VISC : 27  
 DAILY : DC : \$10.189 CC : \$9.884 TC : \$20.073 CUM : DC : \$316.473 CC : \$250.065 TC : \$566.538  
 DAILY DETAILS : TRIP #4 BIT. P/U SWIVEL & BREAK CIRC. DRILLING.

REPORT DATE : 9/24/97 MD : 7.685 TVD : DAYS : 28 MW : 10.0 VISC : 27  
 DAILY : DC : \$12.306 CC : \$9.884 TC : \$22.189 CUM : DC : \$328.779 CC : \$259.949 TC : \$588.727  
 DAILY DETAILS : DRLG. SERVICE PUMP & WORK SWIVEL. DRLG.

REPORT DATE : 9/25/97 MD : 7.757 TVD : DAYS : 29 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.309 CC : \$9.884 TC : \$19.193 CUM : DC : \$338.088 CC : \$269.832 TC : \$607.920  
 DAILY DETAILS : DRLG 7685' - 7692'. CIRC. R/D SWIVEL. TRIP F/BIT. P/U SWIVEL & BEAK CIRC. DRLG 7692' - 7757'.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 9/26/97 MD : 7.830 TVD : DAYS : 30 MW : 10.0 VISC : 27  
 DAILY : DC : \$20.458 CC : \$9.884 TC : \$30.341 CUM : DC : \$358.546 CC : \$279.716 TC : \$638.262  
 DAILY DETAILS : DRILLING.

REPORT DATE : 9/27/97 MD : 7.890 TVD : DAYS : 31 MW : 10.0 VISC : 27  
 DAILY : DC : \$11.616 CC : \$9.884 TC : \$21.500 CUM : DC : \$370.162 CC : \$289.599 TC : \$659.761  
 DAILY DETAILS : DRLG 7830-7890'. TRIP F/BIT.

REPORT DATE : 9/28/97 MD : 7.970 TVD : DAYS : 32 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.409 CC : \$9.884 TC : \$19.293 CUM : DC : \$379.571 CC : \$299.483 TC : \$679.054  
 DAILY DETAILS : TIH (TIGHT @7570). WASH 320 T/BTM. DRILLING. WORK ON PUMP. DRILLING.

REPORT DATE : 9/29/97 MD : 8.000 TVD : DAYS : 33 MW : 10.0 VISC : 27  
 DAILY : DC : \$10.343 CC : \$9.884 TC : \$20.227 CUM : DC : \$389.915 CC : \$309.366 TC : \$699.281  
 DAILY DETAILS : DRLG 7970-8000'. CIRC. SHORT TRIP T/CSG. CIRC. POOH T/LOG. LOGGING (LOGGER TD 7994').

REPORT DATE : 9/30/97 MD : 8.000 TVD : DAYS : 34 MW : 10.0 VISC : 27  
 DAILY : DC : \$30.155 CC : \$9.884 TC : \$40.039 CUM : DC : \$420.070 CC : \$319.250 TC : \$739.320  
 DAILY DETAILS : LOGGING SCHLUMBERGER TRUCK WENT DOWN & HAD CHANGE TRUCKS. R/U T & M 38 JT 3 1/2 9.3# N-80 W/BAKER SHOE & LANDING COLLAR. BAKER HANGER & CPH PACKER. TOTAL STRING 1226.83 - TRIP IN W/20 DL & 2 7/8 TUBING T/8000'. 38 TURBULATORS 1 P/JT. CIRC & COND. HUNG LINER & CUT W/DOWELL. PUMPED 20 B GEL 20B FLUSK, 70 SK 50 STRESS WT 14.5 YIELD 1.53 19B DROP PLUG & DISP 10B 2% KCC 34 B 10# BRINE. PLUG LUMPED. FLOATS HELD. SET PACKER & REV CIRC OUT. BAROLE FLUS & GEL DIDN'T SEE ANY CONT. L/D 2 7/8 TUBING.

REPORT DATE : 10/1/97 MD : 8.000 TVD : DAYS : 35 MW : 10.0 VISC : 27  
 DAILY : DC : \$4.638 CC : \$9.884 TC : \$14.521 CUM : DC : \$424.708 CC : \$329.133 TC : \$753.841  
 DAILY DETAILS : L/D DRILL STRING. NIPPLE DOWN BOPE & CLEAN AND FLUSH MUD SYSTEM. RIG RELEASED @12:00 NOON 10-1-97.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

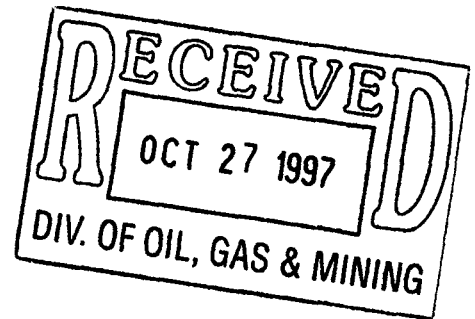
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number <b>ML-22265</b>
2. Name of Operator <b>Coastal Oil &amp; Gas Corporation</b>	6. Indian, Allottee or Tribe Name: <b>N/A</b>
3. Address and Telephone Number. <b>P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455</b>	7. Unit Agreement Name: <b>N/A</b>
4. Location of Well Footages: <b>1992' FSL &amp; 722' FEL</b> QQ, Sec., T., R., M.: <b>NESE, Section 36-T9S-R21E</b>	8. Well Name and Number: <b>Morgan State #12-36</b>
	9. API Well Number: <b>43-047-32814</b>
	10. Field and Pool, or Wildcat <b>Natural Buttes Field</b>
	County: <b>Uintah</b> State: <b>Utah</b>

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon  <input type="checkbox"/> Repair Casing  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Convert to Injection  <input type="checkbox"/> Fracture Treat or Acidize  <input type="checkbox"/> Multiple Completion  <input type="checkbox"/> Other _____           </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Recomplete  <input type="checkbox"/> Perforate  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon*  <input type="checkbox"/> Repair Casing  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Convert to Injection  <input type="checkbox"/> Fracture Treat or Acidize  <input checked="" type="checkbox"/> Other <u>First Production</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Perforate  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off           </div> </div>
Approximate date work will start _____	Date of work completion <u>10/18/97</u>  Report results of <b>Multiple Completions</b> and <b>Recompletions</b> to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.  * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First production for the subject well occurred on 10/18/97.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 10/23/97  
 (This space for State use only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

43-047-32814

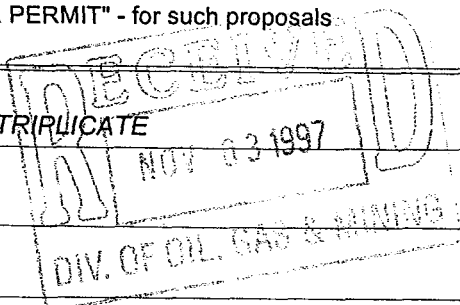
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" - for such proposals

SUBMIT IN TRIPLICATE



1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)

See attached spreadsheet

5. Lease Designation and Serial No.

See attached spreadsheet

6. If Indian, Allottee or Tribe Name

See attached spreadsheet

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

See attached spreadsheet

9. API Well No.

See attached spreadsheet

10. Field and Pool, Or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☒ Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)

The Operator requests approval to empty produced water into tanks on the listed locations. The produced water will then be transported by truck to the underground injection well NBU #159, located at NE/SW Section 35, T9S-R21E, for disposal. Furthermore, the Operator requests approval for the presence of small unlined pits, approximate dimensions of 7' x 7' x 4' deep, to be located immediately adjacent to the stock tanks on the listed locations. The small pits may be necessary to drain off water from the stock tanks at the time of condensate sales. The water will be emptied from the small pit and trucked to the NBU #159 disposal well. The volume of water to be disposed of at each facility will not exceed an average of 5 barrels per day on a monthly basis, in conformance with the requirements of Onshore Order #7.

The listed locations include all wells listed in a Request to Dispose Water sundry dated 10/11/96, as well as all wells drilled to date in the Operator's 1997 drilling program in the Natural Buttes field.

Accepted by the State  
of Utah Division of  
Oil, Gas and Mining

Date: 12-1-97  
By: [Signature] 10/28/97

303-670-3077

14. I hereby certify that the foregoing is true and correct

Signed

Bonnie Carson

Title Senior Environmental Analyst

(This space for Federal or State office use)

APPROVED BY

Conditions of approval, if any:

Title

Date

must meet pt many guidelines

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	Footages	Qtr/Qtr	Section	Township	Range	Field	County
CIGE #105D-1-10-22E	43-047-31758	U-011336	N/A	842' FNL & 2095' FWL	NENW	1	10	22	Natural Buttes	Uintah
CIGE #114-34-9-21	43-047-31915	ST U-01194-A	N/A	1931' FSL & 535' FEL	NESE	34	9	21	Natural Buttes	Uintah
CIGE #118-35-9-22	43-047-32025	U-010954-A	N/A	2116' FSL & 615' FEL	NESE	35	9	22	Natural Buttes	Uintah
CIGE #124-9-9-21	43-047-32045	U-01188	Ute Tribe Surface	1854' FSL & 1819' FEL	NWSE	9	9	21	Natural Buttes	Uintah
CIGE #129-18-9-21	43-047-32043	U-0581	Ute Tribe Surface	928' FNL & 1837' FWL	NENW	18	9	21	Natural Buttes	Uintah
CIGE #130-19-9-21	43-047-32030	U-0581	Ute Tribe Surface	772' FNL & 714' FEL	NENE	19	9	21	Natural Buttes	Uintah
CIGE #140-16-10-21	43-047-31977	ST ML-10755	N/A	380' FNL & 591' FEL	NENE	16	10	21	Natural Buttes	Uintah
CIGE #144-2-10-22	43-047-32022	ST ML-22651	N/A	1501' FNL & 1719' FEL	SWNE	2	10	22	Natural Buttes	Uintah
CIGE #149-8-10-21	43-047-32056	U-01791	N/A	833' FNL & 2011' FEL	NWNE	8	10	21	Natural Buttes	Uintah
CIGE #161-2-10-22	43-047-32168	ST ML-22651	N/A	297' FSL & 1033' FEL	SESE	2	10	22	Natural Buttes	Uintah
CIGE #164-34-9-22	43-047-32353	U-0149077	N/A	660' FNL & 1739' FWL	NENW	34	9	22	Natural Buttes	Uintah
CIGE #178-5-10-22	43-047-32330	U-01195	N/A	926' FWL & 685' FNL	NWNW	5	10	22	Natural Buttes	Uintah
CIGE #180-16-9-21	43-047-32478	ST ML-3141	N/A	333' FSL & 2557' FWL	SESW	16	9	21	Natural Buttes	Uintah
CIGE #183-20-9-21	43-047-32656	U-0575	Ute Tribe Surface	1725' FSL & 2386' FEL	SWSE	20	9	21	Natural Buttes	Uintah
CIGE #187-13-10-20	43-047-32607	U-4485	N/A	900' FNL & 2200' FWL	NENW	13	10	20	Natural Buttes	Uintah
CIGE #189-29-9-22	43-047-32813	USA U-462	N/A	1574' FNL & 720' FWL	SWNW	29	9	22	Natural Buttes	Uintah
CIGE #194-1-10-22	43-047-32932	USA U-011336	N/A	2017' FNL & 61' FWL	SWNW	1	10	22	Natural Buttes	Uintah
CIGE #197-7-9-21	43-07-32798	U-0149747	N/A	854' FNL & 2178' FEL	NWNE	7	9	21	Natural Buttes	Uintah
CIGE #198-9-9-21	43-047-32799	U-01188	Ute Tribe Surface	2502' FSL & 772' FEL	NESE	9	9	21	Natural Buttes	Uintah
CIGE #199-14-9-21	43-047-32801	U-01193	Ute Tribe Surface	959' FNL & 1760' FWL	NENW	14	9	21	Natural Buttes	Uintah
CIGE #200-16-9-21	43-047-32802	U-38409	Ute Tribe Surface	1950' FNL & 2500' FWL	SENE	16	9	21	Natural Buttes	Uintah
CIGE #201-18-9-21	43-047-32804	U-0575	Ute Tribe Surface	1814' FNL & 944' FEL	SENE	18	9	21	Natural Buttes	Uintah
CIGE #202-21-9-21	43-047-32805	U-0575	Ute Tribe Surface	785' FSL & 471' FEL	SESE	21	9	21	Natural Buttes	Uintah
CIGE #204-35-9-21	43-047-32794	ML-22582	N/A	2055' FNL & 1604' FEL	SWNE	35	9	21	Natural Buttes	Uintah
CIGE #205-1-10-21	43-047-32795	ML-23612	N/A	2110' FNL & 2607' FEL	SWNE	1	10	21	Natural Buttes	Uintah
CIGE #221-36-9-22	43-047-32868	ML-22650	N/A	550' FSL & 514' FEL	NESW	13	9	21	Natural Buttes	Uintah
CIGE #235-25-9-21	43-047-32858	U-01194-ST	N/A	1900' FSL & 1800' FEL	NWSE	25	9	21	Natural Buttes	Uintah
CIGE #236-34-9-21	43-047-32861	U-01194-A-ST	N/A	428' FSL & 882' FEL	SESE	34	9	21	Natural Buttes	Uintah
CIGE #23-7-10-22	43-047-30333	ST ML-23609	N/A	1573' FNL & 1024' FEL	SENE	7	10	22	Natural Buttes	Uintah
CIGE #25-34-9-22	43-047-30737	U-0149077	N/A	2037' FNL & 1608' FWL	SENE	34	9	22	Natural Buttes	Uintah
CIGE #3-32-9-22	43-047-30320	ST ML-22649	N/A	2270' FNL & 900' FEL	SENE	32	9	22	Natural Buttes	Uintah
CIGE #43-14-10-22	43-047-30491	U-01197-A-ST	N/A	1437' FWL & 1416' FNL	NW	14	10	22	Natural Buttes	Uintah
CIGE #59-21-10-21	43-047-30548	U-02278	N/A	809' FSL & 1081' FWL	SWSW	21	10	21	Natural Buttes	Uintah
CIGE #6-19-9-21 (GR)	43-047-30356	U-0581	N/A	1122' FSL & 1542' FEL	SWSE	19	9	21	Natural Buttes	Uintah
CIGE #63D-29-9-22P	43-047-30949	U-462	N/A	521' FNL & 977' FWL	NWNW	29	9	22	Natural Buttes	Uintah
CIGE #9-36-9-22	43-047-30419	ST ML-22650	N/A	2090' FSL & 1852' FEL	NWSE	36	9	22	Natural Buttes	Uintah
CIGE #97D-31-9-22	43-047-31729	U-01530-A-ST	N/A	548' FSL & 907' FEL	SESE	31	9	22	Natural Buttes	Uintah
Morgan State #10-36	43-047-32816	ML-22265	N/A	1794' FNL & 649' FEL	SENE	36	9	21	Natural Buttes	Uintah
Morgan State #11-36	43-047-32813	ML-22265	N/A	1943' FSL & 1843' FEL	NESW	36	9	21	Natural Buttes	Uintah
Morgan State #12-36	43-047-32814	ML-22265	N/A	1992' FSL & 722' FEL	NESE	36	9	21	Natural Buttes	Uintah
Morgan State #13-36	43-047-32817	ML-22265	N/A	540' FSL & 815' FEL	SESE	36	9	21	Natural Buttes	Uintah
Morgan State #2-36	43-047-32585	ST ML-22265	N/A	900' FNL & 804' FWL	NWNW	36	9	21	Natural Buttes	Uintah
Morgan State #4-36	43-047-32729	ST ML-22265	N/A	1912' FSL & 649' FWL	NWSW	36	9	21	Natural Buttes	Uintah
Morgan State #5-36	43-047-32735	ST ML-22265	N/A	2100' FSL & 1800' FEL	NWSE	36	9	21	Natural Buttes	Uintah
Morgan State #8-36	43-047-32812	ML-22265	N/A	650' FNL & 690' FEL	NENE	36	9	21	Natural Buttes	Uintah
Morgan State #9-36	43-047-32815	ML-22265	N/A	1894' FNL & 1978' FEL	SWNE	36	9	21	Natural Buttes	Uintah
NBU #105	43-047-32302	U-0575	N/A	1026' FSL & 1011' FWL	SWSW	17	9	21	Natural Buttes	Uintah
NBU #113	43-047-31931	U-0149077	N/A	580 FSL & 854' FEL	SESE	34	9	22	Natural Buttes	Uintah
NBU #118	43-047-31969	U-5077-B	Ute Tribe Surface	1700' FNL & 660' FEL	SENE	22	9	20	Natural Buttes	Uintah
NBU #12	43-047-30119	U-461	N/A	1563' FSL & 2328' FEL	NWSE	18	9	22	Natural Buttes	Uintah

NBU #121	43-047-32086	UTU-01193	Ute Tribe Surface	819' FNL & 2163' FEL	NWNE	13	9	21	Natural Buttes	Uintah
NBU #123	43-047-31974	U-01188	N/A	827' FNL & 916' FWL	NWNW	15	9	21	Natural Buttes	Uintah
NBU #131	43-047-31966	U-0149075	Ute Tribe Surface	1699' FSL & 800' FWL	NWSW	23	9	21	Natural Buttes	Uintah
NBU #134	43-047-32011	U-0576	N/A	138' FSL & 836' FWL	SWSW	28	9	21	Natural Buttes	Uintah
NBU #140	43-047-31947	U-01191-A	N/A	1031' FNL & 1879' FEL	NWNE	5	10	22	Natural Buttes	Uintah
NBU #148	43-047-31983	U-01191	N/A	279' FSL & 2127' FWL	SESW	4	10	22	Natural Buttes	Uintah
NBU #150	43-047-31992	U-01196-B	N/A	2042' FNL & 2002' FWL	SESW	9	10	22	Natural Buttes	Uintah
NBU #152	43-047-31990	U-01196-D	N/A	815' FSL & 754' FEL	SESE	9	10	22	Natural Buttes	Uintah
NBU #153	43-047-31975	ST U-01197-A	N/A	2500' FNL & 974' FWL	SWNW	11	10	22	Natural Buttes	Uintah
NBU #18	43-047-30221	U-025187	N/A	2401' FWL & 2337' FSL	SWNE	10	10	22	Natural Buttes	Uintah
NBU #180	43-047-32113	U-025187	N/A	843' FSL & 2075' FEL	SWSE	10	10	22	Natural Buttes	Uintah
NBU #182	43-047-32162	U-0141315	N/A	1809' FNL & 1519' FWL	SESW	11	9	21	Natural Buttes	Uintah
NBU #185	43-047-32171	U-01191-A	N/A	2132' FNL & 2126' FEL	SWNE	3	10	22	Natural Buttes	Uintah
NBU #187	43-047-32230	U-0149077	N/A	1057' FSL & 2321' FWL	SESW	34	9	22	Natural Buttes	Uintah
NBU #188	43-047-32234	U-01196-C	N/A	699' FWL & 1248' FSL	SWSW	10	10	22	Natural Buttes	Uintah
NBU #189	43-047-32236	U-0149075	Ute Tribe Surface	1551' FWL & 1064' FSL	SESW	23	9	21	Natural Buttes	Uintah
NBU #198	43-047-32357	U-010950-A	N/A	2041' FEL & 2107' FSL	NWSE	22	9	21	Natural Buttes	Uintah
NBU #201	43-047-32364	U-0149767	Ute Tribe Surface	2310' FNL & 500' FWL	SWNW	9	9	21	Natural Buttes	Uintah
NBU #206	43-047-32341	U-01196-C	N/A	2209' FNL & 303' FWL	SWNW	10	10	22	Natural Buttes	Uintah
NBU #207	43-047-32329	ST U-01197	N/A	912' FNL & 1685' FWL	NENW	10	10	22	Natural Buttes	Uintah
NBU #208	43-047-32343	U-01191	N/A	790' FSL & 569' FEL	SESE	4	10	22	Natural Buttes	Uintah
NBU #210	43-047-32340	U-01196-C	N/A	1956' FSL & 2060' FWL	NESW	10	10	22	Natural Buttes	Uintah
NBU #216	43-047-32487	U-010950-A	Ute Tribe Surface	1875' FSL & 1665' FWL	NESW	15	9	21	Natural Buttes	Uintah
NBU #223	43-047-32517	U-01194-ST	N/A	514' FNL & 2174' FWL	NENW	26	9	21	Natural Buttes	Uintah
NBU #228	43-047-32636	U-0575	Ute Tribe Surface	660' FSL & 1843' FEL	SWSE	17	9	21	Natural Buttes	Uintah
NBU #229	43-47-32594	U-01191-A	N/A	1019' FNL & 1712' FEL	NWNE	3	10	22	Natural Buttes	Uintah
NBU #230A	43-047-32908	U-01191-A	N/A	1849' FNL & 677' FEL	SENE	3	10	22	Natural Buttes	Uintah
NBU #231	43-047-32561	U-01191-A-ST	N/A	966' FNL & 1539' FEL	NWNE	10	10	22	Natural Buttes	Uintah
NBU #252	43-047-32800	U-0141315	Ute Tribal Surface	641' FNL & 1845' FWL	NENW	10	9	21	Natural Buttes	Uintah
NBU #254	43-047-32803	U-0575	Ute Tribal Surface	1840' FNL & 2014' FWL	NESW	17	9	21	Natural Buttes	Uintah
NBU #255	43-047-32806	U-0575	Ute Tribal Surface	642' FSL & 1235' FWL	SESW	21	9	21	Natural Buttes	Uintah
NBU #256	43-047-32807	U-0147566	Ute Tribal Surface	2213' FNL & 2312' FWL	SESW	22	9	21	Natural Buttes	Uintah
NBU #257	43-047-32790	ST U-01194	N/A	1756' FNL & 2150' FWL	SESW	25	9	21	Natural Buttes	Uintah
NBU #258	43-047-32791	ST U-01194	N/A	1880' FNL & 211' FEL	SENE	26	9	21	Natural Buttes	Uintah
NBU #259	43-047-32792	ST U-01194	N/A	2300' FNL & 1850' FEL	SWNE	26	9	21	Natural Buttes	Uintah
NBU #263	43-047-32793	ST U-01194-A	N/A	1641' FNL & 1832' FWL	SESW	34	9	21	Natural Buttes	Uintah
NBU #265	43-047-32796	ML-13826	N/A	1953' FSL & 632' FEL	NESE	2	10	21	Natural Buttes	Uintah
NBU #270	43-047-32862	ML-23608	N/A	1963' FNL & 801' FWL	SWNW	13	10	21	Natural Buttes	Uintah
NBU #280	43-047-32865	ML-32935-A	N/A	2596' FSL & 1459' FWL	NESW	31	9	22	Natural Buttes	Uintah
NBU #289	43-047-32910	U-01191	N/A	463' FSL & 2023' FWL	SESW	3	10	22	Natural Buttes	Uintah
NBU #291	43-047-32911	U-1196-D	N/A	457' FNL & 570' FEL	NENE	9	10	22	Natural Buttes	Uintah
NBU #38N2	43-047-30536	U-08512-ST	N/A	1752' FWL & 1768' FSL	CSW	13	10	22	Natural Buttes	Uintah
NBU #80V	43-047-31240	U-0149077	N/A	2042' FSL & 984' FWL	NWSW	34	9	22	Natural Buttes	Uintah
NBU #86J	43-047-31251	U-01191-A	N/A	492' FNL & 722' FEL	NENE	3	10	22	Natural Buttes	Uintah

FORM 6\*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

COPY

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well:

OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

Coastal Oil &amp; Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footage:

See attached spreadsheet

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached spreadsheet

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

See attached spreadsheet

9. API Well Number: 43-047-32814  
See attached spreadsheet

10. Field and Pool, or Wildcat:

Natural Buttes

County: Uintah

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                               | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                         | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                       | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Convert to Injection                  | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize             | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                   | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Dispose water</u> |   |

Approximate date work will start

Upon approval

## SUBSEQUENT REPORT

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon *                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Date of work completion \_\_\_\_\_

Report results of bMultiple CompletionsC and bRecompletionsC to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The Operator requests permission to dispose of produced water from the subject wells to the NBU #159 salt water disposal well. The water will be produced into tanks and transported by truck to the NBU #159. The subject wells are not part of the Natural Buttes Unit; however, the NBU #159 is a Unit well, located NW/SW Section 35, T9S-R21E.

Attached is an analysis of the injection zone water of the NBU #159, as well as a composite analysis of the water produced from three of the Section 36 wells.

13.

Name &amp; Signature:

Bonnie Carson

Title: Senior Environmental Analyst

Date:

12/01/97

(This space for State use only)

Accepted by the State  
of Utah Division of  
Oil, Gas and MiningDate: 12-2-97By: [Signature]

(5/84)

(See instructions on Reverse Side)



Well Name	Location	Lease #	API #
Morgan State #1-36	2215' FNL & 1876' FWL Sec. 36 T9S-R21E	ML-22265	43-047-30600
Morgan State #2-36	900' FNL & 804' FWL Sec. 36 T9S-R21E	ML-22265	43-047-32585
Morgan State #3-36	521' FNL & 1940' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32589
Morgan State #4-36	1912' FNL & 649' FWL Sec. 36 T9S-R21E	ML-22265	43-047-32729
Morgan State #5-36	2100' FSL & 1800' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32735
Morgan State #6-36	1790' FNL & 712' FWL Sec. 36 T9S-R21E	ML-22265	43-047-32810
Morgan State #7-36	660' FNL & 1980' FWL Sec. 36 T9S-R21E	ML-22265	43-047-32811
Morgan State #8-36	650' FNL & 690' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32812
Morgan State #9-36	1894' FNL & 1978' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32815
Morgan State #10-36	1794' FNL & 649' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32816
Morgan State #11-36	1943' FSL & 1843' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32813
Morgan State #12-36	1992' FSL & 722' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32814
Morgan State #13-36	540' FSL & 815' FEL Sec. 36 T9S-R21E	ML-22265	43-047-32817

EVERGREEN ANALYTICAL, INC.  
4036 Youngfield St. Wheat Ridge, CO 80033  
(303)425-6021

NBU-159

SWD

Miscellaneous Analyses

Date Sampled : 6/12/93  
Date Received : 6/23/93  
Client Sample ID.: NBU UINTAH  
Lab Sample No. : X72532

Client Project ID. : NBU UIC  
Lab Project No. : INJECTION PROJ  
Matrix : 93-2120  
Liquid phase

<u>Analysis</u>	<u>Result</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method</u>
pH	7.84	6/23/93	6/23/93	EPA 150.1
Total Dissolved Solids (mg/L)	65200 (6.5%)	6/28/93	6/28/93	EPA 160.1
Specific Gravity @ 60°F	1.0451	6/29/93	6/29/93	ASTM D1217

  
Analyst  
Approved

212021.18

## EXHIBIT "G2"

NBU #159

SWD

EVERGREEN ANALYTICAL, INC.  
4036 Youngfield St. Wheat Ridge, CO 80033  
(303) 425-6021

## INORGANIC ANALYSIS DATA SHEET

Date Sampled : 6/12/93  
Date Received: 6/23/93  
Date Prepared: 6/24/93  
Date Analyzed: 6/29/93

NBU UIC  
Client Project : INJECTION PROJ.  
Lab Project No. : 93-2120  
Method : 600/4-79-020  
Matrix : Water

Units: mg/L

Basis: Dissolved Metals

Client  
Sample# NBU UNTAH

Evergreen  
Sample# X72532

Detection  
Limits

Ca 26  
K 95  
Mg 12  
Na 23000

0.1  
1.5  
0.02  
0.3

DC  
Analyst

WKF  
Approved

EVERGREEN ANALYTICAL, INC.  
4036 Youngfield Street Wheat Ridge, CO 80033  
(303) 425-6021

NBU #759  
SWD

Anions

Date Sampled : 6/12/93  
Date Received : 6/23/93  
Date Prepared : 6/23/93  
Date Analyzed : 6/23/93

Client Project ID : NBU UIC INJECTION PROJ  
Lab Project No. : 93-2120  
Method : EPA Method 300.0

Client Sample ID  
Evergreen Sample #  
Matrix  
Chloride (mg/L)  
Nitrite-N (mg/L)\*  
Sulfate (mg/L)

NBU					
UNITAH					
X72532					
Liquid					
Waste					
42800(4.33)					
<38.0					
3.13					

PAGE 20

To: <i>For Steel</i>	From: <i>Coal Street</i>
at: <i>Central</i>	Co: <i>7/6 1990</i>
Dist: <i>573-4477</i>	Phone: <i>4</i>
Part: <i>5</i>	Part: <i>7</i>

\* Sample received after holding time expired. Detection limit raised due to matrix interference.

EXHIBIT "G3"

FROM: CORSTAL OIL & GAS 303 573 4418 1997.02 09:29 #077 P.06/07

*[Signature]*  
Analyst

*[Signature]*  
Approved

2120ml.24

DEC 1 '97 10:15 FR BJ SERVICES-VERNAL 801 789 4530 TO 7894435

P.01

FW01W273

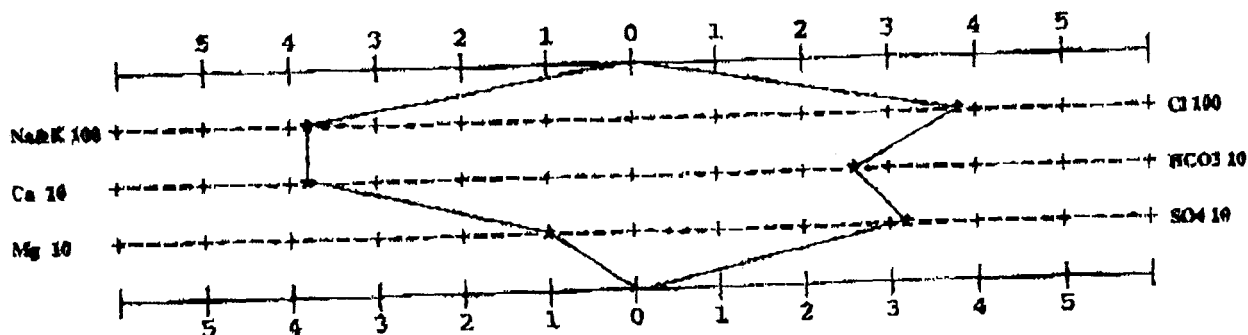
**BJ SERVICES COMPANY**  
**WATER ANALYSIS #FW01W273**  
**VERNAL LAB**

*Morgan State*  
 3-36, 5-36, 13-36

GENERAL INFORMATION	
OPERATOR:	COASTAL
WELL:	MORGAN STATES-36, 13-36, 3-36
FIELD:	NATURAL BUTTE
SUBMITTED BY:	TROY HINEMAN
WORKED BY:	TROY HINEMAN
PHONE NUMBER:	789-4436
DEPTH:	
DATE SAMPLED:	11/19/97
DATE RECEIVED:	11/20/97
COUNTY:	UINTAH
FORMATION:	WASATCH
STATE:	UT

SAMPLE DESCRIPTION	
FILTERED WITH A DARK TINT.	
PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY:	1.030 @ 68°F PH: 7.00
RESISTIVITY (CALCULATED):	0.155 ohms @ 75°F
IRON (FE++) :	50 ppm
CALCIUM:	777 ppm
MAGNESIUM:	118 ppm
CHLORIDE:	13,201 ppm
SODIUM+POTASS:	11,839 ppm
IODINE:	
SULFATE:	1,553 ppm
TOTAL HARDNESS	2,429 ppm
BICARBONATE:	1,540 ppm
SODIUM CHLORIDE (Calc)	21,715 ppm
TOT. DISSOLVED SOLIDS:	30,562 ppm
POTASSIUM CHLORIDE:	
REMARKS	
CARBOHYDRATES .204	

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

TROY HINEMAN

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

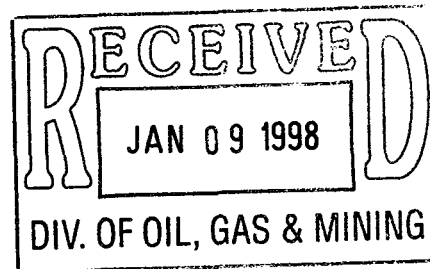
1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number <b>ML-22265</b>
2. Name of Operator <b>Coastal Oil &amp; Gas Corporation</b>	6. Indian, Allottee or Tribe Name: <b>N/A</b>
3. Address and Telephone Number: <b>P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455</b>	7. Unit Agreement Name: <b>N/A</b>
4. Location of Well Footages: <b>1992' FSL &amp; 722' FEL</b> QQ, Sec., T., R., M.: <b>NESE, Section 36-T9S-R21E</b>	8. Well Name and Number: <b>Morgan State #12-36</b>
	9. API Well Number: <b>43-047-32814</b>
	10. Field and Pool, or Wildcat <b>Natural Buttes Field</b>
County: <b>Uintah</b> State: <b>Utah</b>	

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon  <input type="checkbox"/> Repair Casing  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Convert to Injection  <input type="checkbox"/> Fracture Treat or Acidize  <input type="checkbox"/> Multiple Completion  <input type="checkbox"/> Other _____         </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Recomplete  <input type="checkbox"/> Perforate  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off         </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon*  <input type="checkbox"/> Repair Casing  <input type="checkbox"/> Change of Plans  <input type="checkbox"/> Convert to Injection  <input type="checkbox"/> Fracture Treat or Acidize  <input checked="" type="checkbox"/> Other <u>Completion operations</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction  <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Perforate  <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Water Shut-Off         </div> </div>
Approximate date work will start _____	Date of work completion <u>12/3/97</u>  Report results of <b>Multiple Completions</b> and <b>Recompletions</b> to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.  * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological history for work performed on the subject well.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 1/7/98  
 (This space for State use only)

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/7/97 MD : 7.983 TVD : DAYS : 36 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$5.706 TC : \$5.706 CUM : DC : \$424.708 CC : \$334.839 TC : \$759.546

DAILY DETAILS : ROAD RIG F/CIGE #58 TO MS #12-36. MI & RU. PU & ND WH. NU BOPS. RU FLOOR & TBG EQUIP.  
 PU & MU 4 3/4 DRAG BIT & BS. TALLEY. PU & RIH W/215 JTS 2 3/8" TBG. TAG LINER TOP @ 6771'.  
 LD 6 JTS 2 3/8" TBG. POOH W/2 3/8" TBG EOT @ 4748'. SWIFN @ 6:00 PM

REPORT DATE : 10/8/97 MD : 7.983 TVD : DAYS : 37 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.621 TC : \$3.621 CUM : DC : \$424.708 CC : \$338.460 TC : \$763.167

DAILY DETAILS : FIN POOH W/2 3/8" TBG & BIT. PU & MU 2 3/4" MILL. TALLEY. PU & RIH W/46 JTS 2 1/16 TBG, XO,  
 2 3/8" TBG & RIH W/2 3/8" TBG. TAG CMT 2 7935'. RU SWIVEL & CO F/7935-7963' PBTD. CIRC  
 HOLE CLEAN W/3% KCL. RD SWIVEL. POOH W/2 3/8" TBG & XO 7 2 1/16 TBG. POOH W/2 1/16  
 TBG & MILL & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 200, BBLS FLUID RECOVERED DAILY  
 200

REPORT DATE : 10/9/97 MD : 7.983 TVD : DAYS : 38 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2.924 TC : \$2.924 CUM : DC : \$424.708 CC : \$341.384 TC : \$766.091

DAILY DETAILS : RU SCHLUMBERGER & RUN CBL-CCL-GR W/1000 PSI. F/PBTD TO 2000'. TOC @ 2150'.  
 SCHLUMBERGER PBTD 7954'. NO CMTG F/TOL TO 7150'. PRESS TEST CSG TO 5000 PSI F/15 MIN  
 OK. TEST 8 5/8 & 5 1/5 ANN. INJ RATE 5 BPM 200PSI. PMP 25 BBLS 3 % KCL WO & RUNLOG TO  
 OFFICE & FAX TO DENVER RU & RIH W/2 1/8 25UJ SELCT FIRE GUNS 180 PHASE 2 SPF & PERF  
 F/7932' TO 7382'. FLUID LEVEL SURF PRESS 0 PSI. POOH W/CSG GUN. PERF 7371' MIS FIRE.  
 SWIFN @ 6:00 PM. REBUILD GUNS F/MORNING BBLD FLUID PUMPED DAILY 25, BBLS LEFT TO  
 RECOVER DAILY 25.

REPORT DATE : 10/10/97 MD : 7.983 TVD : DAYS : 39 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$16.821 TC : \$16.821 CUM : DC : \$424.708 CC : \$358.205 TC : \$782.912

DAILY DETAILS : SICP 100 PSI. OPEN WELL UP. MU 2 1/8 CSG GUN & RIH W/2 1/8 25 UJ SELECT FIRE GUN 180  
 PHASE 2 SPF. PERF 7371-7252'. FL SURF & PRESS 0 PSI. POOH W/GUNS & RD  
 SCHLUMBERGER. RIH W/47 JTS 2 1/16 TBG & XO TO 2 3/8 TBG. RIH W/2 3/8 TBG TO 7926'. RU  
 DOWELL & SPOT 6 BBLS 15% HCL ACROSS PERFS 7252-7932'. RD DOWELL & LD 1 JT & POOH  
 W/17 STDS 2 3/8" TBG EOT @ 6812'. RU DOWELL & BREAK DWN PERFS 7252-7932' W/30 BBLS 3%  
 KCL & 48 - 0.75" 1.3 SG BALL SEALERS. INJ RATE 2600 PSI 2.5 BPM. AVG PRESS 4800 PSI @ 5  
 BPM, MAX PRESS 5100 PSI @ 2.5 BPM. DISPL W/23 BBLS 3% KCL & BALL OUT. SURGE BALLS.  
 ISTP 1700 PSI. RD DOWELL & FLOW WELL TO PIT. RIH W/TBG TO 7950' W/ 2 5/16 COLLAR. POOH  
 W/2 3/8 & 2 1/16 TBG. RD FLOOR & TBG EQUIP. ND BOPS & NU FRAC VALVE & SWIFN @ 6:00 PM.  
 BBLS FLUID PMPD DAILY 30, BBLS LEFT TO RECOVER DAILY 30.

REPORT DATE : 10/11/97 MD : 7.983 TVD : DAYS : 40 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$76.939 TC : \$76.939 CUM : DC : \$424.708 CC : \$435.144 TC : \$859.851

DAILY DETAILS : SICP 1150 PSI. RU DOWELL F/FRAC PRIME UP & SAFETY MEETING. PRESS TEST LINE 6000 PSI.  
 INJ RATE 3000 PSI @ 27 BPM. ISIP 1850 PSI FRAC STAGE #1 PERF 7252-7932' W/148,300# 20/40  
 SD W/25 20# GAL & 2-6 PPS STAGE A. PRESS 3250 PSI @ 30 BPM. M. PRESS 4150 PSI @ 30 BPM.  
 ISIP 2833 PSI W/TRACER IR-192 63 MCI. STAGE #1 COMP LOAD REC 1208 BBLS RU  
 SCHLUMBERGER & RIH W/CIBP & SET @ 6660'. POOH W/S.T. MU 4" CSG GUN. RIH W/4" PORT  
 PLUG GUN 1 SPF & PERF 5994-6480' F.L. SURF PRESS 0 PSI. POOH W/4" CSG GUN. RD  
 SCHLUMBERGER & DOWELL FRAC FLANGE. NU BOP'S & RU FLOOR & TBG EQUIP. RIH W/2 3/8  
 TBG EOT @ 6478'. RU DOWELL & SPOT 25 BBLS 15% HCL ACROSS PERF 5994-6460'. RD  
 DOWELL. LD 1 JT & POOH W/12 STD TBG. EOT @ 5690'. RU DOWELL F/BREAK ON 20 BBLS 3%  
 KCL W/20 .75 1.3 SG BALL SEALERS. DISPL W/18 BBLS 3% KCL INJ RT 3500 PSI @ 10 BPM. MAX  
 PRESS 6000 PSI. BALL OUT. SURGE BALL. ISIP 3200 PSI. RD DOWELL. POOH W/TBG. RU  
 DOWELL F/FRAC STAGE #2. TEST LINE 6000 PSI. INJ RT 2188 @ 30 BPM. ISIP 1176 PSI FRAC  
 STAGE #2 W/70,260 20/40 SD W/25-20 GEL & 2-6 PPA STAGES A. PRESS 2200 PSI @ 30 BPM. M  
 PRESS 3000 PSI @ 30 BPM. ISIP 1437 PSI 5 MIN, 1346 PSI 10 MIN, 1387 PSI 15 MIN 30 MIN 1350  
 PSI W/TRFACER SC-48 25 MCI. LOAD REC 665 BBLS BLS FLUID PMPD DAILY 1932, BBLS LEFT  
 TO RECOVER DAILY 1932.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/12/97 MD : 7.983 TVD : DAYS : 41 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$11.319 TC : \$11.319 CUM : DC : \$424.708 CC : \$446.463 TC : \$871.170

DAILY DETAILS : SICP 1100 PSI. OPEN WELL UP & FLOW TO PIT. ATTEMPT TO KILL WELL W/80 BBLS 3% KCL. WELL STILL KICKING. BLOW WELL DWN. ND FRAC VALVE & NU BOP'S. RU FLOOR & TBG EQUIP. MU 4 3/4 MILL B.S. 1 JT TBG, XN NIPPLE. RIH W/23 STDS TBG. WELL KICKING. WO DELSCO TO SET PLUG. RU DELSCO & RIH & SET PMP THRU PLUG IN XN NIPPLE. RD DELSCO & F/RIH W/2 3/8 TBG. EOT @ 5102' & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 60. BBLS FLUID RECOVERED EDAILY 60.

REPORT DATE : 10/13/97 MD : 7.983 TVD : DAYS : 42 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$6.816 TC : \$6.816 CUM : DC : \$424.708 CC : \$453.279 TC : \$877.986

DAILY DETAILS : SICP 1700 PSI, SITP 775 PSI. OPEN WELL UP & PMP 20 BBLS DWN TBG. RIH W/2 3/8 TBG & TAG SD @ 6461'. RU SWIVEL & AIR FOAM UNIT. B/CIRC W/AIR FOAM CO 6461-6660'. CIRC HOLE CLEAN. POOH F/STRING FLOAT & PMP 10 BBLS DWN TBG. RIH W/TBG & RU SWIVEL. B/CIRC W/AIR FOAM. DRILL ON CIBP @ 6660' & PUSH PLUG TO 6702'. PMP 50 BBLS ON TBG. CHG STRIPPING RUBBER & RD SWIVEL. POOH W/15 STDS TBG F/ABOVE PERF EOT @ 5758'. PMP 10 BBLS DWNTBG & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 90, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -210.

REPORT DATE : 10/14/97 MD : 7.983 TVD : DAYS : 43 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$11.095 TC : \$11.095 CUM : DC : \$424.708 CC : \$464.374 TC : \$889.081

DAILY DETAILS : SICP 1000 PSI SITP 300 PSI. OPEN WELL UP. PMP 15 BBLS 3% DWN TBG. RIH W/2 3/8 TBG. TAG PLUG @ 6702'. RU SWIVEL CO F/6702 TO 6771' TOL & F/DRILL UP PLUG. CIRC HOLE & RD SWIVEL. POOH W/20 STD TBG. PMP 75 BBLS 3% DWN CSG. POOH W/25 STDS TBG. WELL KICKING. RU CUDD SNUBBING UNIT & 2 1/16 RAMS. FIN POOH W/TBG & MILL & PUMP OFF MILL & BS. RU DELSCO & RIH W/SI F/TD 6798' & WL TOL 6767'. RD DELSCO & XO 2 1/16 TBG EQUIP & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 190, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -110.

REPORT DATE : 10/15/97 MD : 7.983 TVD : DAYS : 44 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.292 TC : \$9.292 CUM : DC : \$424.708 CC : \$473.666 TC : \$898.373

DAILY DETAILS : SICP 1000 PSI OPEN WELL UP. MU 2 3/4 MILL & RIH W/2 1/16 TBG & SNUBB IN XO 2 3/8 TBG & EQUIP. RIH W/XO 1 JT TBG, SN F/RIH W/2 3/8 TBG. TAG PLUG @ 6767'. RU SWIVEL & D RILL ONPLUG @ 6767'. MADE 1' HOLE. ACTED LIKE DRILLING THRU CENTER PLUG. PMP 450 BBLS 3% DWN TBG WHILE DRILL PLUG. RD SWIVEL & POOH 15 STDS F/ABOVE PERF EOT @ 5837'. SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 450, BBLS FLUID REC DAILY 600, BBLS LEFT TO REC DAILY -150.

REPORT DATE : 10/16/97 MD : 7.983 TVD : DAYS : 45 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.691 TC : \$9.691 CUM : DC : \$424.708 CC : \$483.357 TC : \$908.064

DAILY DETAILS : SICP 700 PSI, SITP 600 PSI. OPEN CSG TO PIT. BLEED ON TBG. FLOAT NOT HOLDING. PMP 50 BBLS 3% DWN TBG. POOH W/2 3/8" TBG. TBG FLOWING. PMP 30 BBLS 3% DWN TBG. FIN POOH W/2 3/8" TBG TO SN. TBG FLOWING. PMP 50 BBLS 3% DWN TBG. START TO XO 2 1/16 TBG & EQUIP. CHG ORDERS & CHG BACK EQUIP TO 2 3/8. LDN SN & PU XN NIPPLE W/PMP THRU PLUG. RIH W/ 2 3/8 TBG & LD 45 JTS 2 3/8 TBG. PU HANGER. LAND TBG W/2 3/4 MILL, 46 JTS 2 1/16 TBG, XO, 1 JT 2 3/8 TBG, NX NIPPLE & 166 JTS 2 3/8 TBG. EOT @ 6661' & SN @ 5268'. RD CUDD SNUBBING UNIT. ND BOPS & NU WH. PMP 15 BBLS 3% DWN TBG. RU DELSCO & RIH & RETRIEVE PMP THRU PLUG & RD DELSCO. RU & SWB FL 2500'. MADE 2 RUNS. REC 6 BBLS WTR, FFL 3600'. FCP 1425 PSI, FTP 0 PSI. LD SWB & LEAVE TBG. OPEN TO FLOW TANK. SDFN @ 6:00 PM. BBLS FLUID PMPD DAILY 145, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -155. END OF TBG DEPTH 6661', SN SETTING DEPTH 5268'.



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/17/97 MD : 7.983 TVD : DAYS : 46 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$22.090 TC : \$22.090 CUM : DC : \$424.708 CC : \$505.447 TC : \$930.154  
 DAILY DETAILS : SICP 2300 PSI. OPEN TBG PRESS DEAD. RU & RIH W/SWB. IFL 3800'. POOH & LD SWB. RD & MO. PU @ 10:00 PM. SWIFD @ 4:00 PM.

REPORT DATE : 10/18/97 MD : 7.983 TVD : DAYS : 47 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$4.430 TC : \$4.430 CUM : DC : \$424.708 CC : \$509.877 TC : \$934.584  
 DAILY DETAILS : ITP 0, ICP 2400. RU CUTTERS. TRY TO FILL & PRESS UP TBG. WELL TAKING FLUID. BLEW CSG DWN TO 500 PSI. PMP DWN TBG & SHOT 10 7/16 HOLES IN 2 1/16 TBG @ 6650'. TBG ON VAC @ END OF JOB. AT 2:00 PM TBG DEAD, CSG 1550 PSI. 7:00 AM 10/18/97 WELL FLOWING TO FLAT TANK. TP 1000, CP 1675, 20 CHOKE. SD PERFORATORS. BBLS FLUID PMPD DAILY 60, BBLS LEFT TO RECOVER DAILY 60. END OF TBG DEPTH 6861', 2 1/16 6256'

REPORT DATE : 10/19/97 MD : 7.983 TVD : DAYS : 48 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$4.430 TC : \$4.430 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FTP....CP....CK....SAND  
 1000#....1675....20/64....T SAND  
 1000#....1600....20/64....T SAND  
 975#....1475....20/64....T SAND  
 FLOW TESTING THRU NIGHT. BBLS FLUID RECOVERED DAILY 122  
 FLOW BACK REPORT  
 TIME....CP....TP....CK....WTR....SAND....  
 5:00....1450....975....20....5....LT, CHECK CHOKE  
 6:00....1400....920....20....5....LT  
 7:00....1400....900....20....5....LT  
 8:00....1400....900....20....5....LT  
 9:00....1400....900....20....5....LT  
 10:00....1400....900....20....5....LT  
 11:00....1400....900....20....5....LT  
 12:00....1400....900....20....5....TR  
 1:00....1400....900....20....5....TR  
 2:00....1400....900....20....5....TR  
 3:00....1400....900....20....5....TR  
 4:00....1400....900....20....5....TR  
 5:00....1300....900....20....5....TR  
 6:00....1250....900....20....5....TR, CHECK CHOKE  
 GAS RATE 1.1 MCF/D, TOTAL WATER 120 BBLS, TOTAL LOAD TO RECOVER 1316 BBLS.

REPORT DATE : 10/20/97 MD : 7.983 TVD : DAYS : 49 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLOW BACK REPORT  
 TIME....CP....TP....CK....WTR....SAND  
 5:30 P....1100....800....20....3....TR....CHECK CHOKE  
 10:30P....1050....750....20....3....TR  
 5:30A....1000....700....20....3....TR....CHECK CHOKE  
 GAS RATE 1.2 MCF/D, TOTAL WATER 76 BBLS, TOTAL LOAD TO RECOVER 1240 BBLS.

REPORT DATE : 10/21/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 713 MCF, 112 BW, FTP 650#, CP 1200#, LLTR 1102 BBLS, 30/64" CK.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/22/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 727 MCF, 125 BW, FTP 560#, CP 1200#, 24 HRS, LLTR 967.

REPORT DATE : 10/23/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 638 MCF, 77 BW, FTP 500#, CP 1225#, 40/64" CK, 24 HRS, LLTR 832 BBLS.

REPORT DATE : 10/24/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 421 MCF, 18 BW, FTP 450#, CP 1200#, 40/64" CK, 24 HRS.

REPORT DATE : 10/25/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 490 MCF, 85 BW, FTP 450#, CP 1150#, 40/64" CK, 24 HRS.

REPORT DATE : 10/26/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 470 MCF, 68 BW, FTP 450#, CP 1190#, 40/64" CK, 24 HRS, LLTR 661 BBLS.

REPORT DATE : 10/27/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 429 MCF, 73 BW, FTP 425#, CP 1200#, 40/64" CK, 24 HRS. LLTR 588 BBLS.

REPORT DATE : 10/28/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 417 MCF, 53 BW, FTP 425#, CP 1200#, 40/64" CK, 24 HRS, LLTR 535 BBLS.

REPORT DATE : 10/29/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 375 MCF, 165 BW, FTP 400#, CP 1125#, 40/64" CK, 24 HRS, LLTR 370 BBLS.

REPORT DATE : 10/30/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 353 MCF, 60 BW, FTP 400#, CP 1175#, 40/64" CK, 24 HRS, LLTR 310 BBLS.

REPORT DATE : 10/31/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 236 MCF, 48 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/1/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 339 MCF, 87 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS.

REPORT DATE : 11/2/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 286 MCF, 62 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS, LLTR 113 BBLS.

REPORT DATE : 11/3/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 302 MCF, 72 BW, FTP 375#, CP 700#, 24 HRS, LLTR 41 BBLS.

REPORT DATE : 11/4/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 302 MCF, 72 BW, FTP 375#, CP 700#, 24 HRS, LLTR 41 BBLS.

REPORT DATE : 11/5/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 293 MCF, 63 BW, FTP 318#, CP 557#, 40/64" CK, 24 HRS.

REPORT DATE : 11/6/97 MD : 7.983 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 297 MCF, 85 BW, FTP 320#, CP 660#, 40/64" CK, 24 HRS.

REPORT DATE : 11/7/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 265 MCF, 50 BW, FTP 311#, CP 652#, 40/64" CK, 24 HRS.

REPORT DATE : 11/8/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 285 MCF, 67 BW, FTP 305#, CP 633#, 40/64" CK, 24 HRS.

REPORT DATE : 11/9/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 252 MCF, 17 BW, FTP 279#, CP 555#, 30/64" CK, 24 HRS.

REPORT DATE : 11/10/97 MD : 7.963 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 211 MCF, 13 BW, FTP 310#, CP 637#, 30/64" CK.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/11/97 MD : 7.983 TVD : DAYS : 50 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$5.354 TC : \$5.354 CUM : DC : \$424.708 CC : \$519.661 TC : \$944.368  
 DAILY DETAILS : MI & RU F/CIGE #221, FTP 320#, SICP 580#, CATCH PLUNGER & BLOW DWN. PMP 25 BBLS DWN  
 CSG 3% KCL. ND WH. NU BOP. POOH W/2 3/8" TBG. EOT @ 5401'. SDFN. BBLS FLUID PMPD 25

REPORT DATE : 11/12/97 MD : 7.963 TVD : DAYS : 51 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2.874 TC : \$2.874 CUM : DC : \$424.708 CC : \$522.535 TC : \$947.242  
 DAILY DETAILS : SITP 975#, SICP 1000#. BLOW DWN. PMP 40 BBLS 3% KCL DWN CSG, 58 BBLS 3% KCL DWN  
 TBG. POOH W/2 3/8", 2 1/16" TBG + 2 3/4" MILL. MILL WORE OUT. RIH W/4 3/4" MILL, 2 JUNK  
 BASKETS & 2 5/8" TBG. EOT @ 5765'. J WEST UNABLE TO HAUL TBG TRAILER UP. DUG WAY.  
 WILL BOBTAIL 35 JTS F/OM. SDFN. BLS FLUID PMPD 45.

REPORT DATE : 11/13/97 MD : 7.963 TVD : DAYS : 52 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.774 TC : \$3.774 CUM : DC : \$424.708 CC : \$526.309 TC : \$951.016  
 DAILY DETAILS : SITP 900#, SICP 1000#. BLED OFF 35 BBLS 3% KCL DWN CSG. TALLY & PU 32 JTS 2 3/8" TBG.  
 TAG @ 6770'. RU PWR SWVL. DRLD FL 1 1/2 HRS. MADE 10". PMPD 40 BBLS 3% KCL DWN TBG  
 WHILE DRILLING. QUIT MAKING HOLE. POOH W/2 3/8" TBG, 2 JUNK BASKETS & 4 3/4" MILL. MILL  
 HAD A RING ON OUTSIDE EDGE. LOOKS LIKE TOP LINER. RIH W/2 3/4" MILL STRING, FLOAT, 2  
 1/16" & 2 3/8" TBG. TAG LT @ 6771'. RIH & TAG AGAIN @ 6777'. RU PWR SWVL & PULL ABOVE  
 LT. SDFN. NOTE: HAD PIECES OF CIBP IN JUNK BASKETS. BBLS FLUID PMPD 25.

REPORT DATE : 11/14/97 MD : 7.963 TVD : DAYS : 53 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.862 TC : \$3.862 CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : SITP 150#, SICP 925#. BLED OFF. DRL 6777-6778' 1 HR. FELL THRU. RIH W/2 3/8" TBG. TAG FILL  
 @ 7604'. 350' TO PBTD. POOH & LD 49 JTS 2 3/8" TBG. EOT @ 6695'. ND BOP. PMP 5 GAL SOAP  
 DWN CSG. NU WH. RD RIG & EQUIP. MO. SDFN. BBLS FLUID PMPD 20.  
 FLOW BACK REPORT  
 TIME.....CP....CK....WTR..SAND  
 5:30PM.....500....20....W....N....CH CHOKE  
 6:30PM.....100....20....W....N  
 7:30PM.....100....20....W....N  
 8:30PM.....100....20....W....N  
 9:30PM.....100....20....W....N  
 10:30PM.....100....20....W....N  
 11:30PM.....100....20....W....N  
 12:30AM.....125....20....W....N  
 1:30AM.....150....20....2.5..N  
 2:30AM.....150....20....5....N  
 3:30AM.....150....20....5....N  
 4:30AM.....150....20....5....N  
 5:30AM.....150....20....5....N  
 6:30AM.....200....20....5....N  
 GAS RATE 300 MCF/D, TOTAL WATER 28 BBLS ALL DAY, TOTAL LOAD TO REC 137 BBLS.

REPORT DATE : 11/15/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : DN 24 HRS. WO CO. CP 300#.

REPORT DATE : 11/16/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : PRODUCE 3-4 BW TO PIT, CP 300#, WO CO.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/17/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : FLWG 6 HRS, 32 MCF, CP 1100#, 30/64" CK.

REPORT DATE : 11/18/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : FLWG 224 MCF, 86 BW, CP 400#, 20/64" CK.

REPORT DATE : 11/19/97 MD : 7.963 TVD : DAYS : 54 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.030 TC : \$3.030 CUM : DC : \$424.708 CC : \$533.201 TC : \$957.908  
 DAILY DETAILS : MI & RU COLO WELL SERV RIG #26. ND WH. NU BOP. CLEAN OUT FLAT TANK. SDFN

REPORT DATE : 11/20/97 MD : 7.963 TVD : DAYS : 55 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$10.845 TC : \$10.845 CUM : DC : \$424.708 CC : \$544.046 TC : \$968.753  
 DAILY DETAILS : PU & RIH W/2 3/8" TBG. TAG FILL @ 7347'. RU CUDD N2 UNIT & POWER SWIVEL. BRK CIRC W/N2 & FOAM. CIRC OUT SAND 7347-7520'. PUSHED CIBP & CIRC OUT SAND FROM 7520' TO PBTD @ 7963'. CIRC HOLE CLEAN & POOH ABOVE LINER TOP. SDFN. BBLS FLUID PMPD 85, BBLS FLUID REC 100, BBLS LEFT TO REC -15.

REPORT DATE : 11/21/97 MD : 7.963 TVD : DAYS : 56 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.252 TC : \$8.252 CUM : DC : \$424.708 CC : \$552.298 TC : \$977.005  
 DAILY DETAILS : SICP 1600 PSI. SITP 0. BLEW DWN CSG. RIH W/TBG. TAG FILL @ 7922' (41 FILL OVER NIGHT). RU N2 UNIT. BRK CIRC W/N2 & FOAM. CLEAN OUT SAND TO PBTD @ 7963'. CIRC HOLE CLEAN. POOH TO TOP OF LINER & WAIT 2 HRS. RIH TO PBTD @ 7963'. NO FILL. LD 1 JT TBG. 15 BBLS WTR DWN TBG. RU CUTTERS WLS. ATTEMPT TO CUT OFF 2 1/16" TBG 6' ABOVE MILL W/RADIAL TORCH. CUTTER MIS-FIRED. POOH & REPLACED TOOLS. RIH & CUT TBG 7' ABOVE MILL. TOOL STUCK WHEN SHOT. COULD NOT WORK FREE. PULLED OUT OF ROPE SOCKET. RD WL. POOH W/TBG ABOVE LINER TOP. SDFN. BBLS FLUID PMPD 15, BBLS LEFT TO REC 15.

REPORT DATE : 11/22/97 MD : 7.963 TVD : DAYS : 57 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2.840 TC : \$2.840 CUM : DC : \$424.708 CC : \$555.138 TC : \$979.845  
 DAILY DETAILS : 1150 PSI ON CSG. BLOW DWN. POOH 60 STDS 2 3/8" TBG (SLM). RD FLOOR. ND HYDRIL & STRIPPING HEAD. NU SINGLE GATE BOP. SIFN.

REPORT DATE : 11/23/97 MD : 7.963 TVD : DAYS : 58 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.940 TC : \$3.940 CUM : DC : \$424.708 CC : \$559.078 TC : \$983.785  
 DAILY DETAILS : RU SNUBBING UNIT. POOH W/2 3/8", 2 1/16" TBG, 2 7/8" MILL & WL TOOLS. RIH W/NOTCHED COLLAR & 2 3/8" TBG. TAG @ 7922', 41' FILL. POOH W/2 3/8" TBG EOT @ 6700'. SDFN.

REPORT DATE : 11/24/97 MD : 7.963 TVD : DAYS : 59 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$10.287 TC : \$10.287 CUM : DC : \$424.708 CC : \$569.365 TC : \$994.072  
 DAILY DETAILS : ICP 1000 PSI, 0 TP. OPEN WELL. BLOW GAS DWN. NU HYDRIL. RU FLOOR & TIH. TAGGED FILL @ 7923'. CLEAN OUT TO 7963' PBTD. CIRC HOLE CLEAN. PULL TO STRING FLOAT. WAITED ONE HR. RIH. NO FILL. LD 4 JTS. LANDED @ 7660' W/45 JTS OF 2 1/16 & 206 JTS 2 3/8 W/PSN 1 JT UP ON 2 3/8 @ 6481'. ND BOP'S & NU WELLHEAD. SIFN. BBLS FLUID PMPD 116, BBLS FLUID REC 108

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/25/97 MD : 7.963 TVD : DAYS : 60 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$1.662 TC : \$1.662 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : ICP 1000 TBG 0 PSI. PU & SWB LUB. RI W/SWB. IFL 5000. MADE 2 RUNS. FL PSN STILL NO TBG PRESS. FILL TBG W/24 BBLs 3% KCL. BLEW PLUGOUT W/500 PSI. MADE 4 SWB RUNS. KICK WELL OFF. REC 19 BBLs. PUT IN 16/64 CHOKE. FLOW TO PIT 500 PSI ON TBG, 1000 CP. RD &MO. PUT WELL ON PROD.

REPORT DATE : 11/26/97 MD : 7.963 TVD : DAYS : 61 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 251 MCF, 80 BW, FTP 285#, CP 625#, 25/64" CK.

REPORT DATE : 11/27/97 MD : 7.963 TVD : DAYS : 62 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 18 MCF, 0 BW, FTP 120#, CP 900#, 25/64" CK, 1 HR.

REPORT DATE : 11/28/97 MD : 7.963 TVD : DAYS : 63 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 379 MCF, 99 BW, FTP 269#, CP 550#, 30/64" CK.

REPORT DATE : 11/29/97 MD : 7.963 TVD : DAYS : 64 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 4 MCF, 0 BW, FTP 232#, CP 950#, 30/64" CK, 1 HR.

REPORT DATE : 11/30/97 MD : 7.963 TVD : DAYS : 65 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 173 MCF, 114 BW, FTP 276#, CP 550#, 30/64" CK.

REPORT DATE : 12/1/97 MD : 7.963 TVD : DAYS : 66 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 225 MCF, 62 BW, FTP 325#, CP 550#, 30/64" CK.

REPORT DATE : 12/2/97 MD : 7.963 TVD : DAYS : 67 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 222 MCF, 45 BW, FTP 270#, CP 675#, 30/64" CK, 24 HRS.

REPORT DATE : 12/3/97 MD : 7.963 TVD : DAYS : 68 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 173 MCF, 35 BW, FTP 262#, CP 650#, 35/64" CK, 24 HRS. IP DATE: 10/22/97 - FLWG 727 MCF, 135 BW, FTP 560#, CP 1200#, 35/64" CK. - FINAL REPORT -

## STATE OF UTAH

## DIVISION OF OIL, GAS AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

<div style="border: 2px solid black; padding: 5px; display: inline-block;"> RECEIVED  JAN 21 1998  DIV. OF OIL, GAS &amp; MINING </div>						5. LEASE DESIGNATION AND SERIAL NO. ML-22265	
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>						7. UNIT AGREEMENT NAME N/A	
1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>						8. FARM OR LEASE NAME Morgan State	
2. NAME OF OPERATOR Coastal Oil & Gas Corporation						9. WELL NO. 12-36	
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, CO 80201-0749						10. FIELD AND POOL, OR WILDCAT Natural Buttes Field	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1992' FSL & 722' FEL At top prod. interval reported below  At total depth						11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36-T9S-R21E	
14. APFNO. 43- <del>887</del> -32814 DATE ISSUED 1/16/97						12. COUNTY Uintah	
13. STATE Utah							
15. DATE SPUDDED 5/20/97		16. DATE T.D. REACHED 9/29/97		17. DATE COMPL. (Ready to prod. or Plug & Abd.) 11/26/97		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 5035.2' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 8000'		21. PLUG, BACK T.D., MD & TVD 7963'		22. IF MULTIPLE COMPL., HOW MANY	
23. INTERVALS DRILLED BY →		ROTARY TOOLS X		CABLE TOOLS			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) Wasatch: 5994-6480' Mesaverde: 7252-7932'						25. WAS DIRECTIONAL SURVEY MADE Single shot	
26. TYPE ELECTRIC AND OTHER LOGS RUN HALS/LDT/CNL/GR/CAL, CBL/CCL/GR 7-29-97 ANSWER PRODUCT QUICK LOG						27. Was Well Cored YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) Drill System Test YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (See reverse side)	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8", K55		24#		256'		11"	
5 1/2", L80		17#		7098'		7 7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT	
3 1/2"		6771'		8000'			
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"--		2-1/16"@ 7660'					
31. PERFORATION RECORD (Interval, size and number) 5994, 5998, 6000, 6002, 6158, 6323, 6324, 6474, 6477, 6480, (1 spf 10 holes); 7252, 7262, 7272, 7282, 7290, 7317, 7371, 7392, 7604, 7634, 7737, 7879, 7880, 7912, 7931, 7932, (2 spf, 32 holes)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
7252-7932'				See chrono 10/10 & 10/11/97			
5994-6480'				See chrono 10/11/97			
33. PRODUCTION							
DATE FIRST PRODUCTION 10/19/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 10/22/97		HOURS TESTED 24		CHOKE SIZE 35/64"		PROD'N. FOR TEST PERIOD →	
OIL - BBL. 0		GAS - MCF. 727		WATER - BBL. 125		GAS - OIL RATIO	
FLOW. TUBING PRESS. 560#		CASING PRESSURE 1200#		CALCULATED 24-HOUR RATE →		OIL GRAVITY - API (CORR.)	
OIL - BBL. 0		GAS - MCF. 727		WATER - BBL. 125			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Chronological history							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Sheila Bremer</u>		TITLE <u>Environmental &amp; Safety Analyst</u>				DATE <u>1/16/98</u>	

See Spaces for Additional Data on Reverse Side

# INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachment.  
ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details for any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
				Wasatch	4588	
				Mesaverde	(+460 MSL) 7234' (-2186 MSL)	



**PERC****WELL CHRONOLOGY REPORT****WELL NAME : MORGAN STATE #12-36**DISTRICT : DRLGFIELD : NATURAL BUTTES

LOCATION :

COUNTY & STATE : UINTAHUTCONTRACTOR : COASTALDRILWI% : AFE# : 27056API# : 43-047-32814

PLAN DEPTH :

SPUD DATE : 5/20/97

DHC : CWC :

AFE TOTAL :

FORMATION :

**REPORT DATE : 5/21/97**MD : 256

TVD :

DAYS : 0

MW :

VISC :

DAILY : DC : \$8,385CC : \$0TC : \$8,385CUM : DC : \$8,385CC : \$0TC : \$8,385

DAILY DETAILS : MI BILL MARTIN JR (AIR RIG). DRILL RAT & MOUSE HOLE & SPUD @ 11:45 AM 5/20/97. DRILL 11" HOLE TO 256' & RAN 6 JTS 8 5/8" 24# K55 ST&C W/HOWCO SHOE & 3 CENTRALIZERS. CMT W/HALLIBURTON. PMPD 20 BBLS GELLED WTR AHEAD OF 85 SXS PREM AG W/2% CACL2. WT 15.6, Y 1.18. DROP PLUG & DISPL W/15.2 BBLS WTR +/- 5 BBLS CMT TO PIT.

**REPORT DATE : 7/8/97**MD : 270

TVD :

DAYS : 0

MW :

VISC :

DAILY : DC : \$29,459CC : \$0TC : \$29,459CUM : DC : \$37,844CC : \$0TC : \$37,844

DAILY DETAILS : RD & MOVE FROM MS 13-36 & RU ON MS 12-36. MICHAEL RICHARDSON WAS TAKEN TO ASHLEY VALLEY MED. CENTER. TREATED & RELEASED AFTER BEING HIT ON LEFT SHOULDER & HAND BY A PUMP ROD DROPPED ON HIM. NO BROKEN BONES OR CUTS.

**REPORT DATE : 7/9/97**MD : 343

TVD :

DAYS : 1

MW :

VISC :

DAILY : DC : \$15,782CC : \$0TC : \$15,782CUM : DC : \$53,626CC : \$0TC : \$53,626

DAILY DETAILS : RU RT PRESS TEST BOP'S TO 2000, 8 5/8" CSG & ANNULAR TO 1500 PU BHA & TAG CMT @ 235' DRILL CMT 235-270' DRLG 270-343'. DAVE HACKFORD W/UTAH STATE WAS NOTIFIED F/PRESS TEST. NOT WITNESSED

**REPORT DATE : 7/10/97**MD : 1,475

TVD :

DAYS : 2

MW :

VISC :

DAILY : DC : \$14,578CC : \$0TC : \$14,578CUM : DC : \$68,204CC : \$0TC : \$68,204

DAILY DETAILS : DRLG 343-781' SURVEY @ 736' DRLG 781-1299' SURVEY @ 1255' DRLG 1299-1475'

**REPORT DATE : 7/11/97**MD : 2,000

TVD :

DAYS : 3MW : 8.4VISC : 27DAILY : DC : \$34,417CC : \$0TC : \$34,417CUM : DC : \$102,621CC : \$0TC : \$102,621

DAILY DETAILS : DRLG 1475-1658' POOH F/PLUGGED BIT RS TIH DRLG 1658-1764' SURVEY DRLG 1764-2000'

**REPORT DATE : 7/12/97**MD : 2,262

TVD :

DAYS : 4MW : 8.4VISC : 27DAILY : DC : \$19,720CC : \$0TC : \$19,720CUM : DC : \$122,341CC : \$0TC : \$122,341

DAILY DETAILS : DRLG 2000-2262' POOH TO SET CMT PLUG F/LOSS CIRC PU 10 JTS DP & TIH OPEN ENDED MIX & PMP LCM SWEEP & CMT W/HALLIBURTON. PMPD 150 SXS THIXOTROPIC W/12% CALSEAL, 2% CACL2, 1/2#/SX FLOCELE, 10#/SX GILSONITE & 3#/SX GRANULITE, WT 13.9, Y 1.75, 48 BLS. DISPL W/10 BBLS WTR POOH WOC LD DP & TIH. TAG CMT @ 1791' POOH FOR PLUGGED BIT. (HOLE STAYING FULL)

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/13/97 MD : 2.885 TVD : DAYS : 5 MW : 8.4 VISC : 27  
 DAILY : DC : \$13.954 CC : \$0 TC : \$13.954 CUM : DC : \$136.295 CC : \$0 TC : \$136.295

DAILY DETAILS : TIH TRIP FOR PLUGGED BIT (RAG) DRILL CMT 1530-1579' TIH TO BTM 7 STDS DRLG  
 2262-2294' W/FULL RET SURVEY @ 2215' 1/2 DEG DRLG 2294-2762' SURVEY 2717' 1/2 DEG  
 DRLG 2762-2885'. WELL IS KICKING & MAKING WATER - RES PIT NEAR FULL

REPORT DATE : 7/14/97 MD : 3.582 TVD : DAYS : 6 MW : 8.5 VISC : 27  
 DAILY : DC : \$10.792 CC : \$0 TC : \$10.792 CUM : DC : \$147.087 CC : \$0 TC : \$147.087

DAILY DETAILS : DRLG 2885-3230' SURVEY @ 3185' 2 DEGS RS DRLG 3230-3582'. DB: 3321-27', 3352-73',  
 3398-408'. DRILL W/AIR F/3384-3509'

REPORT DATE : 7/15/97 MD : 4.287 TVD : DAYS : 7 MW : 8.6 VISC : 27  
 DAILY : DC : \$16.586 CC : \$0 TC : \$16.586 CUM : DC : \$163.672 CC : \$0 TC : \$163.672

DAILY DETAILS : DRLG 3582-3758' SURVEY @ 3763' 1 3/4 DEGS RS DRLG 3758-3974' RS DRLG 3974-  
 4256' SURVEY @ 4211' DRLG 4256-4287' DB: 4056-4091', 4120-4186', 4243-4259'. DRILLED  
 W/AIR 3912-4099'

REPORT DATE : 7/16/97 MD : 4.687 TVD : DAYS : 8 MW : 8.6 VISC : 27  
 DAILY : DC : \$12.888 CC : \$0 TC : \$12.888 CUM : DC : \$176.560 CC : \$0 TC : \$176.560

DAILY DETAILS : DRLG 4287-4318' SURVEY @ 4273' 4 DEGS DRLG 4318-4425' SURVEY @ 4397' DRLG  
 4425-4594' SURVEY @ 4549' 4 1/2 DEGS DRLG 4594-4687' TOO H F/BIT #3 WELL KICKING.  
 KELLY UP TO CIRC & KILL WELL @ 2237

REPORT DATE : 7/17/97 MD : 4.998 TVD : DAYS : 9 MW : 8.6 VISC : 27  
 DAILY : DC : \$18.092 CC : \$0 TC : \$18.092 CUM : DC : \$194.652 CC : \$0 TC : \$194.652

DAILY DETAILS : TOO H KILL WELL. TIH W/BHA SLIP & CUT DRLG LINE TIH W/BIT #3 BRK CIRC. W&R 60'  
 TO BTM, 15' FILL BRK IN BIT, DRLG 4687-4736' TOO H W/3 STDS. REPAIR ROTARY TORQUE.  
 TIH W/3 STDS DRLG 4736-4843' CIRC & SURVEY @ 4798' 3 DEGS DRLG 4843-4998'

REPORT DATE : 7/18/97 MD : 5.529 TVD : DAYS : 10 MW : 8.6 VISC : 27  
 DAILY : DC : \$13.521 CC : \$0 TC : \$13.521 CUM : DC : \$208.173 CC : \$0 TC : \$208.173

DAILY DETAILS : DRLG 4998-5029' CIRC & SURVEY DRLG 5029-5247' CIRC & SURVEY DRLG 5247-5529'.  
 DB: 5418-5428', 5454-5471'

REPORT DATE : 7/19/97 MD : 5.991 TVD : DAYS : 11 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.791 CC : \$0 TC : \$13.791 CUM : DC : \$221.965 CC : \$0 TC : \$221.965

DAILY DETAILS : DRLG 5529-5775' RS SURVEY @ 5730' DRLG 5775-5991'. DB: 5418-33', 5529-37'. SD AIR  
 COMPRESSOR @ 5940'

REPORT DATE : 7/20/97 MD : 6.380 TVD : DAYS : 12 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.945 CC : \$0 TC : \$13.945 CUM : DC : \$235.909 CC : \$0 TC : \$235.909

DAILY DETAILS : DRLG 6272' SURVEY @ 6227' 1/2 DEGS DRLG 6380'. DB: 6324-6331'

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/21/97 MD : 6.510 TVD : DAYS : 13 MW : 8.7 VISC : 27  
 DAILY : DC : \$18.497 CC : \$0 TC : \$18.497 CUM : DC : \$254.407 CC : \$0 TC : \$254.407  
 DAILY DETAILS : DRLG 6430' TOO H W/BIT #3 TIH W/BIT #4. CIR C& KILL WELL 4 TIMES GIH. W&R TO BTM 60'  
 DRLG 6510'. DB: 6477-6491'

REPORT DATE : 7/22/97 MD : 6.900 TVD : DAYS : 14 MW : 8.7 VISC : 27  
 DAILY : DC : \$12.808 CC : \$0 TC : \$12.808 CUM : DC : \$267.214 CC : \$0 TC : \$267.214  
 DAILY DETAILS : DRLG 6585' RS DRLG 6585-6741' SURVEY @ 6710' 1/2 DEG DRLG 6741-6900'. NO DRLG  
 BREAKS

REPORT DATE : 7/23/97 MD : 7.100 TVD : DAYS : 15 MW : 8.7 VISC : 27  
 DAILY : DC : \$13.087 CC : \$0 TC : \$13.087 CUM : DC : \$280.302 CC : \$0 TC : \$280.302  
 DAILY DETAILS : DRLG 6930' RS DRLG 7100' CIRC F/SHORT TRIP SHORT TRIP - 2500'. WORK TIGHT  
 SPOTS 5500' TO 5000' W&R 60' TO BTM CIRC & COND F/LOGS DISPL HOLE W/GELLED  
 BRINE TOO H F/LOGS

REPORT DATE : 7/24/97 MD : 7.100 TVD : DAYS : 16 MW : 8.7 VISC : 27  
 DAILY : DC : \$0 CC : \$30.143 TC : \$30.143 CUM : DC : \$280.302 CC : \$30.143 TC : \$310.445  
 DAILY DETAILS : TOO H F/LOGS RU WL. RUN LOGS TO 7097'. LOG TO SURF/RUN KILL WELL RD WL TIH.  
 NO BRIDGES CIRC PIT DWN HOLE TOO H. LD DP, HWDP & DC'S. BRK KELLY RU CSG  
 CREW PU 5 1/2" FS, 1 JT, FC, TIH W/5 1/2" L80 17# CSG

REPORT DATE : 7/25/97 MD : 7.100 TVD : DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$58.736 TC : \$58.736 CUM : DC : \$280.302 CC : \$88.880 TC : \$369.181  
 DAILY DETAILS : RUN 187 JTS 5 1/2" 17# L80 W/GEMACO FLOAT EQUIP. TOTAL STRING 7103.28', 26 CENT ON  
 EVERY OTHER JT F/TD & 4 CENT ACROSS TRONA ZONES CIRC LAST 3 JTS TO BTM CIRC  
 CMT W/DOWELL. PMP 100 BBL GEL 80 BBL WTR W/F75N LEAD 455 SXS HILIFT. WT 12.1, Y 2.  
 66, 215 BBLs. TAIL 965 SXS SELF STRESS II, Y 1.53, WT 14.4, 263 BBLs. DROP PLUG. DISPL  
 W/164 BBLs 2% KCL. BUMP PLUG 900 PSI OVER, NOT HOLDING. SHUT WELL IN. SET SLIPS  
 W/90,000# TENSION WOC CUT OFF L/JT & LD SAME. REL RIG @ 7:00 7/24/97.

REPORT DATE : 7/26/97 MD : 7.100 TVD : DAYS : 18 MW : VISC :  
 DAILY : DC : \$0 CC : \$71.729 TC : \$71.729 CUM : DC : \$280.302 CC : \$160.609 TC : \$440.911  
 DAILY DETAILS : RL CD #1 7:00 PM 7/24/97

REPORT DATE : 7/27/97 MD : 7.100 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$280.302 CC : \$160.609 TC : \$440.911  
 DAILY DETAILS : FROM 7/27/97 TO 9/14/97 WAITING ON RIG.

REPORT DATE : 9/15/97 MD : 7.120 TVD : DAYS : 19 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$13.002 TC : \$13.002 CUM : DC : \$280.302 CC : \$173.611 TC : \$453.913  
 DAILY DETAILS : TALLY TBG & PU BHA PU TBG & TAG @ 7318' DISPL HOLE W/10# BRINE TST CSG TO 3000  
 PSI DRILL CMT, FLOAT & SHOE DRLG 7100-7120'

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 9/16/97 MD : 7.181 TVD : DAYS : 20 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.874 TC : \$9.874 CUM : DC : \$280.302 CC : \$183.484 TC : \$463.786  
 DAILY DETAILS : DRLG CIRC LD SWIVEL & POOH FOR BIT TIH DRLG RU WIND WALLS DRLG

REPORT DATE : 9/17/97 MD : 7.271 TVD : DAYS : 21 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.778 TC : \$8.778 CUM : DC : \$280.302 CC : \$192.262 TC : \$472.564  
 DAILY DETAILS : DRLG RIG REPAIR (PMP) DRLG CHANGE SUB ON SWIVEL DRLG

REPORT DATE : 9/18/97 MD : 7.317 TVD : DAYS : 22 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.385 TC : \$8.385 CUM : DC : \$280.302 CC : \$200.648 TC : \$480.949  
 DAILY DETAILS : DRLG 7271' TO 7278'. CIRCULATE. TRIP F/BIT #3. BREAK CIRC & WASH 30' F/BTM. DRLG 7278' - 7317'.

REPORT DATE : 9/19/97 MD : 7.390 TVD : DAYS : 23 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9.884 TC : \$9.884 CUM : DC : \$280.302 CC : \$210.531 TC : \$490.833  
 DAILY DETAILS : DRLG RS DRLG

REPORT DATE : 9/20/97 MD : 7.425 TVD : DAYS : 24 MW : 10.0 VISC : 27  
 DAILY : DC : \$8.987 CC : \$9.884 TC : \$18.871 CUM : DC : \$289.289 CC : \$220.415 TC : \$509.703  
 DAILY DETAILS : DRLG F/7390' T/7403'. TRIP F/BIT. BREAK CIRC & WASH F/7323 T/7403 (POWER SWIVEL DOWN). W.O. NEW POWER SWIVEL (ROADS ARE BAD - RAIN & FLOODING). DRLG 7403' TO 7425'.

REPORT DATE : 9/21/97 MD : 7.497 TVD : DAYS : 25 MW : 10.0 VISC : 27  
 DAILY : DC : \$7.766 CC : \$9.884 TC : \$17.650 CUM : DC : \$297.055 CC : \$230.298 TC : \$527.353  
 DAILY DETAILS : DRLG 7425'-7497'.

REPORT DATE : 9/22/97 MD : 7.550 TVD : DAYS : 26 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.229 CC : \$9.884 TC : \$19.113 CUM : DC : \$306.284 CC : \$240.182 TC : \$546.465  
 DAILY DETAILS : DRILLING.

REPORT DATE : 9/23/97 MD : 7.596 TVD : DAYS : 27 MW : 10.0 VISC : 27  
 DAILY : DC : \$10.189 CC : \$9.884 TC : \$20.073 CUM : DC : \$316.473 CC : \$250.065 TC : \$566.538  
 DAILY DETAILS : TRIP #4 BIT. P/U SWIVEL & BREAK CIRC. DRILLING.

REPORT DATE : 9/24/97 MD : 7.685 TVD : DAYS : 28 MW : 10.0 VISC : 27  
 DAILY : DC : \$12.306 CC : \$9.884 TC : \$22.189 CUM : DC : \$328.779 CC : \$259.949 TC : \$588.727  
 DAILY DETAILS : DRLG. SERVICE PUMP & WORK SWIVEL. DRLG.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 9/25/97 MD : 7.757 TVD : DAYS : 29 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.309 CC : \$9.884 TC : \$19.193 CUM : DC : \$338.088 CC : \$269.832 TC : \$607.920  
 DAILY DETAILS : DRLG 7685' - 7692'. CIRC. R/D SWIVEL. TRIP F/BIT. P/U SWIVEL & BEAK CIRC. DRLG  
 7692' - 7757'.

REPORT DATE : 9/26/97 MD : 7.830 TVD : DAYS : 30 MW : 10.0 VISC : 27  
 DAILY : DC : \$20.458 CC : \$9.884 TC : \$30.341 CUM : DC : \$358.546 CC : \$279.716 TC : \$638.262  
 DAILY DETAILS : DRILLING.

REPORT DATE : 9/27/97 MD : 7.890 TVD : DAYS : 31 MW : 10.0 VISC : 27  
 DAILY : DC : \$11.616 CC : \$9.884 TC : \$21.500 CUM : DC : \$370.162 CC : \$289.599 TC : \$659.761  
 DAILY DETAILS : DRLG 7830-7890'. TRIP F/BIT.

REPORT DATE : 9/28/97 MD : 7.970 TVD : DAYS : 32 MW : 10.0 VISC : 27  
 DAILY : DC : \$9.409 CC : \$9.884 TC : \$19.293 CUM : DC : \$379.571 CC : \$299.483 TC : \$679.054  
 DAILY DETAILS : TIH (TIGHT @7570). WASH 320 T/BTM. DRILLING. WORK ON PUMP. DRILLING.

REPORT DATE : 9/29/97 MD : 8.000 TVD : DAYS : 33 MW : 10.0 VISC : 27  
 DAILY : DC : \$10.343 CC : \$9.884 TC : \$20.227 CUM : DC : \$389.915 CC : \$309.366 TC : \$699.281  
 DAILY DETAILS : DRLG 7970-8000'. CIRC. SHORT TRIP T/CSG. CIRC. POOH T/LOG. LOGGING (LOGGER  
 TD 7994').

REPORT DATE : 9/30/97 MD : 8.000 TVD : DAYS : 34 MW : 10.0 VISC : 27  
 DAILY : DC : \$30.155 CC : \$9.884 TC : \$40.039 CUM : DC : \$420.070 CC : \$319.250 TC : \$739.320  
 DAILY DETAILS : LOGGING SCHLUMBERGER TRUCK WENT DOWN & HAD CHANGE TRUCKS. R/U T & M 38 JT 3  
 1/2 9.3# N-80 W/BAKER SHOE & LANDING COLLAR. BAKER HANGER & CPH PACKER. TOTAL  
 STRING 1226.83 - TRIP IN W/20 DL & 2 7/8 TUBING T/8000'. 38 TURBULATORS 1 P/JT. CIRC &  
 COND. HUNG LINER & CMT W/DOWELL. PUMPED 20 B GEL 20B FLUSH, 70 SK SELF STRESS  
 WT 14.5 YIELD 1.53 19B DROP PLUG & DISP 10B 2% KCC 34 B 10# BRINE. PLUG BUMPED.  
 FLOATS HELD. SET PACKER & REV CIRC OUT. BORATE FLUSH & GEL DIDN'T SEE ANY CMT.  
 L/D 2 7/8 TUBING.

REPORT DATE : 10/1/97 MD : 8.000 TVD : DAYS : 35 MW : 10.0 VISC : 27  
 DAILY : DC : \$4.638 CC : \$9.884 TC : \$14.521 CUM : DC : \$424.708 CC : \$329.133 TC : \$753.841  
 DAILY DETAILS : L/D DRILL STRING. NIPPLE DOWN BOPE & CLEAN AND FLUSH MUD SYSTEM. RIG RELEASED  
 @12:00 NOON 10-1-97.

REPORT DATE : 10/2/97 MD : 8.000 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$329.133 TC : \$753.841  
 DAILY DETAILS : 10/2/97 TO 10/6/97 WAITING ON COMPLETION.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/7/97 MD : 7.983 TVD : DAYS : 36 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$5,706 TC : \$5,706 CUM : DC : \$424,708 CC : \$334,839 TC : \$759,546  
 DAILY DETAILS : ROAD RIG F/CIGE #58 TO MS #12-36. MI & RU. PU & ND WH. NU BOPS. RU FLOOR & TBG EQUIP.  
 PU & MU 4 3/4 DRAG BIT & BS. TALLEY. PU & RIH W/215 JTS 2 3/8" TBG. TAG LINER TOP @ 6771'.  
 LD 6 JTS 2 3/8" TBG. POOH W/2 3/8" TBG EOT @ 4748'. SWIFN @ 6:00 PM

REPORT DATE : 10/8/97 MD : 7.983 TVD : DAYS : 37 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3,621 TC : \$3,621 CUM : DC : \$424,708 CC : \$338,460 TC : \$763,167  
 DAILY DETAILS : FIN POOH W/2 3/8" TBG & BIT. PU & MU 2 3/4" MILL. TALLEY. PU & RIH W/46 JTS 2 1/16 TBG, XO,  
 2 3/8" TBG & RIH W/2 3/8" TBG. TAG CMT 2 7935'. RU SWIVEL & CO F/7935-7963' PBTD. CIRC  
 HOLE CLEAN W/3% KCL. RD SWIVEL. POOH W/2 3/8" TBG & XO 7 2 1/16 TBG. POOH W/2 1/16  
 TBG & MILL & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 200, BBLS FLUID RECOVERED DAILY  
 200

REPORT DATE : 10/9/97 MD : 7.983 TVD : DAYS : 38 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2,924 TC : \$2,924 CUM : DC : \$424,708 CC : \$341,384 TC : \$766,091  
 DAILY DETAILS : RU SCHLUMBERGER & RUN CBL-CCL-GR W/1000 PSI. F/PBTD TO 2000'. TOC @ 2150'.  
 SCHLUMBERGER PBTD 7954'. NO CMTG F/TOL TO 7150'. PRESS TEST CSG TO 5000 PSI F/15 MIN  
 OK. TEST 8 5/8 & 5 1/5 ANN. INJ RATE 5 BPM 200PSI. PMP 25 BBLS 3 % KCL WO & RUNLOG TO  
 OFFICE & FAX TO DENVER RU & RIH W/2 1/8 25UJ SELCT FIRE GUNS 180 PHASE 2 SPF & PERF  
 F/7932' TO 7392'. FLUID LEVEL SURF PRESS 0 PSI. POOH W/CSG GUN. PERF 7371' MIS FIRE.  
 SWIFN @ 6:00 PM. REBUILD GUNS F/MORNING BBLS FLUID PUMPED DAILY 25, BBLS LEFT TO  
 RECOVER DAILY 25.

REPORT DATE : 10/10/97 MD : 7.983 TVD : DAYS : 39 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$16,821 TC : \$16,821 CUM : DC : \$424,708 CC : \$358,205 TC : \$782,912  
 DAILY DETAILS : SICP 100 PSI. OPEN WELL UP. MU 2 1/8 CSG GUN & RIH W/2 1/8 25 UJ SELECT FIRE GUN 180  
 PHASE 2 SPF. PERF 7371-7252'. FL SURF & PRESS 0 PSI. POOH W/GUNS & RD  
 SCHLUMBERGER. RIH W/47 JTS 2 1/16 TBG & XO TO 2 3/8 TBG. RIH W/2 3/8 TBG TO 7926'. RU  
 DOWELL & SPOT 6 BBLS 15% HCL ACROSS PERFS 7252-7932'. RD DOWELL & LD 1 JT & POOH  
 W/17 STDS 2 3/8" TBG EOT @ 6812'. RU DOWELL & BREAK DWN PERFS 7252-7932' W/30 BBLS 3%  
 KCL & 48 - 0.75" 1.3 SG BALL SEALERS. INJ RATE 2600 PSI 2.5 BPM. AVG PRESS 4800 PSI @ 5  
 BPM, MAX PRESS 5100 PSI @ 2.5 BPM. DISPL W/23 BBLS 3% KCL & BALL OUT. SURGE BALLS.  
 ISTP 1700 PSI. RD DOWELL & FLOW WELL TO PIT. RIH W/TBG TO 7950' W/ 2 5/16 COLLAR. POOH  
 W/2 3/8 & 2 1/16 TBG. RD FLOOR & TBG EQUIP. ND BOPS & NU FRAC VALVE & SWIFN @ 6:00 PM.  
 BBLS FLUID PMPD DAILY 30, BBLS LEFT TO RECOVER DAILY 30.

REPORT DATE : 10/11/97 MD : 7.983 TVD : DAYS : 40 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$76,939 TC : \$76,939 CUM : DC : \$424,708 CC : \$435,144 TC : \$859,851  
 DAILY DETAILS : SICP 1150 PSI. RU DOWELL F/FRAC PRIME UP & SAFETY MEETING. PRESS TEST LINE 6000 PSI.  
 INJ RATE 3000 PSI @ 27 BPM. ISIP 1850 PSI FRAC STAGE #1 PERF 7252-7932' W/148,300# 20/40  
 SD W/25 20# GAL & 2-6 PPS STAGE A. PRESS 3250 PSI @ 30 BPM. M. PRESS 4150 PSI @ 30 BPM.  
 ISIP 2833 PSI W/TRACER IR-192 63 MCI. STAGE #1 COMP LOAD REC 1208 BBLS RU  
 SCHLUMBERGER & RIH W/CIBP & SET @ 6660'. POOH W/S.T. MU 4" CSG GUN. RIH W/4" PORT  
 PLUG GUN 1 SPF & PERF 5994-6480' F.L. SURF PRESS 0 PSI. POOH W/4" CSG GUN. RD  
 SCHLUMBERGER & DOWELL FRAC FLANGE. NU BOP'S & RU FLOOR & TBG EQUIP. RIH W/2 3/8  
 TBG EOT @ 6478'. RU DOWELL & SPOT 25 BBLS 15% HCL ACROSS PERF 5994-6460'. RD  
 DOWELL. LD 1 JT & POOH W/12 STD TBG. EOT @ 5690'. RU DOWELL F/BREAK ON 20 BBLS 3%  
 KCL W/20 .75 1.3 SG BALL SEALERS. DISPL W/18 BBLS 3% KCL INJ RT 3500 PSI @ 10 BPM. MAX  
 PRESS 6000 PSI. BALL OUT. SURGE BALL. ISIP 3200 PSI. RD DOWELL. POOHW/TBG. RU  
 DOWELL F/FRAC STAGE #2. TEST LINE 6000 PSI. INJ RT 2188 @ 30 BPM. ISIP 1176 PSI FRAC  
 STAGE #2 W/70,260 20/40 SD W/25-20 GEL & 2-6 PPA STAGES A. PRESS 2200 PSI @ 30 BPM. M  
 PRESS 3000 PSI @ 30 BPM. ISIP 1437 PSI 5 MIN, 1346 PSI 10 MIN, 1387 PSI 15 MIN 30 MIN 1350  
 PSI W/TRFACER SC-48 25 MCI. LOAD REC 665 BBLS BLS FLUID PMPD DAILY 1932, BBLS LEFT  
 TO RECOVER DAILY 1932.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/12/97 MD : 7.983 TVD : DAYS : 41 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$11,319 TC : \$11,319 CUM : DC : \$424,708 CC : \$446,463 TC : \$871,170

DAILY DETAILS : SICP 1100 PSI. OPEN WELL UP & FLOW TO PIT. ATTEMPT TO KILL WELL W/80 BBLS 3% KCL. WELL STILL KICKING. BLOW WELL DWN. ND FRAC VALVE & NU BOP'S. RU FLOOR & TBG EQUIP. MU 4 3/4 MILL B.S. 1 JT TBG, XN NIPPLE. RIH W/23 STDS TBG. WELL KICKING. WO DELSCO TO SET PLUG. RU DELSCO & RIH & SET PMP THRU PLUG IN XN NIPPLE. RD DELSCO & F/RIH W/2 3/8 TBG. EOT @ 5102' & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 60. BBLS FLUID RECOVERED EDAILY 60.

REPORT DATE : 10/13/97 MD : 7.983 TVD : DAYS : 42 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$6,816 TC : \$6,816 CUM : DC : \$424,708 CC : \$453,279 TC : \$877,986

DAILY DETAILS : SICP 1700 PSI, SITP 775 PSI. OPEN WELL UP & PMP 20 BBLS DWN TBG. RIH W/2 3/8 TBG & TAG SD @ 6461'. RU SWIVEL & AIR FOAM UNIT. B/CIRC W/AIR FOAM CO 6461-6660'. CIRC HOLE CLEAN. POOH F/STRING FLOAT & PMP 10 BBLS DWN TBG. RIH W/TBG & RU SWIVEL. B/CIRC W/AIR FOAM. DRILL ON CIBP @ 6660' & PUSH PLUG TO 6702'. PMP 50 BBLS ON TBG. CHG STRIPPING RUBBER & RD SWIVEL. POOH W/15 STDS TBG F/ABOVE PERF EOT @ 5758'. PMP 10 BBLS DWNTBG & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 90, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -210.

REPORT DATE : 10/14/97 MD : 7.983 TVD : DAYS : 43 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$11,095 TC : \$11,095 CUM : DC : \$424,708 CC : \$464,374 TC : \$889,081

DAILY DETAILS : SICP 1000 PSI SITP 300 PSI. OPEN WELL UP. PMP 15 BBLS 3% DWN TBG. RIH W/2 3/8 TBG. TAG PLUG @ 6702'. RU SWIVEL CO F/6702 TO 6771' TOL & F/DRILL UP PLUG. CIRC HOLE & RD SWIVEL. POOH W/20 STD TBG. PMP 75 BBLS 3% DWN CSG. POOH W/25 STDS TBG. WELL KICKING. RU CUDD SNUBBING UNIT & 2 1/16 RAMS. FIN POOH W/TBG & MILL & PUMP OFF MILL & BS. RU DELSCO & RIH W/SI F/TD 6798' & WL TOL 6767'. RD DELSCO & XO 2 1/16 TBG EQUIP & SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 190, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -110.

REPORT DATE : 10/15/97 MD : 7.983 TVD : DAYS : 44 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9,292 TC : \$9,292 CUM : DC : \$424,708 CC : \$473,666 TC : \$898,373

DAILY DETAILS : SICP 1000 PSI OPEN WELL UP. MU 2 3/4 MILL & RIH W/2 1/16 TBG & SNUBB IN XO 2 3/8 TBG & EQUIP. RIH W/XO 1 JT TBG, SN F/RIH W/2 3/8 TBG. TAG PLUG @ 6767'. RU SWIVEL & D RILL ONPLUG @ 6767'. MADE 1' HOLE. ACTED LIKE DRILLING THRU CENTER PLUG. PMP 450 BBLS 3% DWN TBG WHILE DRILL PLUG. RD SWIVEL & POOH 15 STDS F/ABOVE PERF EOT @ 5837'. SWIFN @ 6:00 PM. BBLS FLUID PMPD DAILY 450, BBLS FLUID REC DAILY 600, BBLS LEFT TO REC DAILY -150.

REPORT DATE : 10/16/97 MD : 7.983 TVD : DAYS : 45 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$9,691 TC : \$9,691 CUM : DC : \$424,708 CC : \$483,357 TC : \$908,064

DAILY DETAILS : SICP 700 PSI, SITP 600 PSI. OPEN CSG TO PIT. BLEED ON TBG. FLOAT NOT HOLDING. PMP 50 BBLS 3% DWN TBG. POOH W/2 3/8" TBG. TBG FLOWING. PMP 30 BBLS 3% DWN TBG. FIN POOH W/2 3/8" TBG TO SN. TBG FLOWING. PMP 50 BBLS 3% DWN TBG. START TO XO 2 1/16 TBG & EQUIP. CHG ORDERS & CHG BACK EQUIP TO 2 3/8. LDN SN & PU XN NIPPLE W/PMP THRU PLUG. RIH W/2 3/8 TBG & LD 45 JTS 2 3/8 TBG. PU HANGER. LAND TBG W/2 3/4 MILL, 46 JTS 2 1/16 TBG, XO, 1 JT 2 3/8 TBG, NX NIPPLE & 166 JTS 2 3/8 TBG. EOT @ 6661' & SN @ 5268'. RD CUDD SNUBBING UNIT. ND BOPS & NU WH. PMP 15 BBLS 3% DWN TBG. RU DELSCO & RIH & RETRIEVE PMP THRU PLUG & RD DELSCO. RU & SWB FL 2500'. MADE 2 RUNS. REC 6 BBLS WTR, FFL 3600'. FCP 1425 PSI, FTP 0 PSI. LD SWB & LEAVE TBG. OPEN TO FLOW TANK. SDFN @ 6:00 PM. BBLS FLUID PMPD DAILY 145, BBLS FLUID RECOVERED DAILY 300, BBLS LEFT TO RECOVER DAILY -155. END OF TBG DEPTH 6661', SN SETTING DEPTH 5268'.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/17/97 MD : 7.983 TVD : DAYS : 46 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$22,090 TC : \$22,090 CUM : DC : \$424,708 CC : \$505,447 TC : \$930,154  
 DAILY DETAILS : SICP 2300 PSI. OPEN TBG PRESS DEAD. RU & RIH W/SWB. IFL 3800'. POOH & LD SWB. RD &  
 MO. PU @ 10:00 PM. SWIFD @ 4:00 PM.

REPORT DATE : 10/18/97 MD : 7.983 TVD : DAYS : 47 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$4,430 TC : \$4,430 CUM : DC : \$424,708 CC : \$509,877 TC : \$934,584  
 DAILY DETAILS : ITP 0, ICP 2400. RU CUTTERS. TRY TO FILL & PRESS UP TBG. WELL TAKING FLUID. BLEW CSG  
 DWN TO 500 PSI. PMP DWN TBG & SHOT 10 7/16 HOLES IN 2 1/16 TBG @ 6650'. TBG ON VAC @  
 END OF JOB. AT 2:00 PM TBG DEAD, CSG 1550 PSI. 7:00 AM 10/18/97 WELL FLOWING TO FLAT  
 TANK. TP 1000, CP 1675, 20 CHOKE. SD PERFORATORS. BBLS FLUID PMPD DAILY 60, BBLS  
 LEFT TO RECOVER DAILY 60. END OF TBG DEPTH 6861', 2 1/16 6256'

REPORT DATE : 10/19/97 MD : 7.983 TVD : DAYS : 48 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$4,430 TC : \$4,430 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FTP....CP....CK....SAND  
 1000#....1675....20/64....T SAND  
 1000#....1600....20/64....T SAND  
 975#....1475....20/64....T SAND  
 FLOW TESTING THRU NIGHT. BBLS FLUID RECOVERED DAILY 122  
 FLOW BACK REPORT  
 TIME....CP....TP....CK....WTR....SAND....  
 5:00....1450....975....20....LT, CHECK CHOKE  
 6:00....1400....920....20....5....LT  
 7:00....1400....900....20....5....LT  
 8:00....1400....900....20....5....LT  
 9:00....1400....900....20....5....LT  
 10:00....1400....900....20....5....LT  
 11:00....1400....900....20....5....LT  
 12:00....1400....900....20....5....TR  
 1:00....1400....900....20....5....TR  
 2:00....1400....900....20....5....TR  
 3:00....1400....900....20....5....TR  
 4:00....1400....900....20....5....TR  
 5:00....1300....900....20....5....TR  
 6:00....1250....900....20....5....TR, CHECK CHOKE  
 GAS RATE 1.1 MCF/D, TOTAL WATER 120 BBLS, TOTAL LOAD TO RECOVER 1316 BBLS.

REPORT DATE : 10/20/97 MD : 7.983 TVD : DAYS : 49 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLOW BACK REPORT  
 TIME....CP....TP....CK....WTR....SAND  
 5:30 P....1100....800....20....3....TR....CHECK CHOKE  
 10:30P....1050....750....20....3....TR  
 5:30A....1000....700....20....3....TR....CHECK CHOKE  
 GAS RATE 1.2 MCF/D, TOTAL WATER 76 BBLS, TOTAL LOAD TO RECOVER 1240 BBLS.

REPORT DATE : 10/21/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 713 MCF, 112 BW, FTP 650#, CP 1200#, LLTR 1102 BBLS, 30/64" CK.



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 10/22/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 727 MCF, 125 BW, FTP 560#, CP 1200#, 24 HRS, LLTR 967.

REPORT DATE : 10/23/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 638 MCF, 77 BW, FTP 500#, CP 1225#, 40/64" CK, 24 HRS, LLTR 832 BBLS.

REPORT DATE : 10/24/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 421 MCF, 18 BW, FTP 450#, CP 1200#, 40/64" CK, 24 HRS.

REPORT DATE : 10/25/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 490 MCF, 85 BW, FTP 450#, CP 1150#, 40/64" CK, 24 HRS.

REPORT DATE : 10/26/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 470 MCF, 68 BW, FTP 450#, CP 1190#, 40/64" CK, 24 HRS, LLTR 661 BBLS.

REPORT DATE : 10/27/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 429 MCF, 73 BW, FTP 425#, CP 1200#, 40/64" CK, 24 HRS. LLTR 588 BBLS.

REPORT DATE : 10/28/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 417 MCF, 53 BW, FTP 425#, CP 1200#, 40/64" CK, 24 HRS, LLTR 535 BBLS.

REPORT DATE : 10/29/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 375 MCF, 165 BW, FTP 400#, CP 1125#, 40/64" CK, 24 HRS, LLTR 370 BBLS.

REPORT DATE : 10/30/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 353 MCF, 60 BW, FTP 400#, CP 1175#, 40/64" CK, 24 HRS, LLTR 310 BBLS.

REPORT DATE : 10/31/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$514.307 TC : \$939.014  
 DAILY DETAILS : FLWG 236 MCF, 48 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/1/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 339 MCF, 87 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS.

REPORT DATE : 11/2/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 286 MCF, 62 BW, FTP 375#, CP 1200#, 40/64" CK, 24 HRS, LLTR 113 BBLS.

REPORT DATE : 11/3/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 302 MCF, 72 BW, FTP 375#, CP 700#, 24 HRS, LLTR 41 BBLS.

REPORT DATE : 11/4/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 302 MCF, 72 BW, FTP 375#, CP 700#, 24 HRS, LLTR 41 BBLS.

REPORT DATE : 11/5/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 293 MCF, 63 BW, FTP 318#, CP 557#, 40/64" CK, 24 HRS.

REPORT DATE : 11/6/97 MD : 7.983 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 297 MCF, 85 BW, FTP 320#, CP 660#, 40/64" CK, 24 HRS.

REPORT DATE : 11/7/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 265 MCF, 50 BW, FTP 311#, CP 652#, 40/64" CK, 24 HRS.

REPORT DATE : 11/8/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 285 MCF, 67 BW, FTP 305#, CP 633#, 40/64" CK, 24 HRS.

REPORT DATE : 11/9/97 MD : 7.983 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 252 MCF, 17 BW, FTP 279#, CP 555#, 30/64" CK, 24 HRS.

REPORT DATE : 11/10/97 MD : 7.963 TVD : DAYS : MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424,708 CC : \$514,307 TC : \$939,014  
 DAILY DETAILS : FLWG 211 MCF, 13 BW, FTP 310#, CP 637#, 30/64" CK.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/11/97 MD : 7.983 TVD : DAYS : 50 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$5,354 TC : \$5,354 CUM : DC : \$424,708 CC : \$519,661 TC : \$944,368  
 DAILY DETAILS : MI & RU F/CIGE #221, FTP 320#, SICIP 580#, CATCH PLUNGER & BLOW DWN. PMP 25 BBLS DWN  
 CSG 3% KCL. ND WH. NU BOP. POOH W/2 3/8" TBG. EOT @ 5401'. SDFN. BBLS FLUID PMPD 25

REPORT DATE : 11/12/97 MD : 7.963 TVD : DAYS : 51 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2,874 TC : \$2,874 CUM : DC : \$424,708 CC : \$522,535 TC : \$947,242  
 DAILY DETAILS : SITP 975#, SICIP 1000#. BLOW DWN. PMP 40 BBLS 3% KCL DWN CSG, 58 BBLS 3% KCL DWN  
 TBG. POOH W/2 3/8", 2 1/16" TBG + 2 3/4" MILL. MILL WORE OUT. RIH W/4 3/4" MILL, 2 JUNK  
 BASKETS & 2 5/8" TBG. EOT @ 5765'. J WEST UNABLE TO HAUL TBG TRAILER UP. DUG WAY.  
 WILL BOBTAIL 35 JTS F/OM. SDFN. BLS FLUID PMPD 45.

REPORT DATE : 11/13/97 MD : 7.963 TVD : DAYS : 52 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3,774 TC : \$3,774 CUM : DC : \$424,708 CC : \$526,309 TC : \$951,016  
 DAILY DETAILS : SITP 900#, SICIP 1000#. BLED OFF 35 BBLS 3% KCL DWN CSG. TALLY & PU 32 JTS 2 3/8" TBG.  
 TAG @ 6770'. RU PWR SWVL. DRLD FL 1 1/2 HRS. MADE 10". PMPD 40 BBLS 3% KCL DWN TBG  
 WHILE DRILLING. QUIT MAKING HOLE. POOH W/2 3/8" TBG, 2 JUNK BASKETS & 4 3/4" MILL. MILL  
 HAD A RING ON OUTSIDE EDGE. LOOKS LIKE TOP LINER. RIH W/2 3/4" MILL STRING, FLOAT, 2  
 1/16" & 2 3/8" TBG. TAG LT @ 6771'. RIH & TAG AGAIN @ 6777'. RU PWR SWVL & PULL ABOVE  
 LT. SDFN. NOTE: HAD PIECES OF CIBP IN JUNK BASKETS. BBLS FLUID PMPD 25.

REPORT DATE : 11/14/97 MD : 7.963 TVD : DAYS : 53 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3,862 TC : \$3,862 CUM : DC : \$424,708 CC : \$530,171 TC : \$954,878  
 DAILY DETAILS : SITP 150#, SICIP 925#. BLED OFF. DRL 6777-6778' 1 HR. FELL THRU. RIH W/2 3/8" TBG. TAG FILL  
 @ 7604'. 350' TO PBTD. POOH & LD 49 JTS 2 3/8" TBG. EOT @ 6695'. ND BOP. PMP 5 GAL SOAP  
 DWN CSG. NU WH. RD RIG & EQUIP. MO. SDFN. BBLS FLUID PMPD 20.  
 FLOW BACK REPORT  
 TIME.....CP.....CK.....WTR.....SAND  
 5:30PM.....500.....20.....W.....N.....CH CHOKE  
 6:30PM.....100.....20.....W.....N  
 7:30PM.....100.....20.....W.....N  
 8:30PM.....100.....20.....W.....N  
 9:30PM.....100.....20.....W.....N  
 10:30PM.....100.....20.....W.....N  
 11:30PM.....100.....20.....W.....N  
 12:30AM.....125.....20.....W.....N  
 1:30AM.....150.....20.....2.5.....N  
 2:30AM.....150.....20.....5.....N  
 3:30AM.....150.....20.....5.....N  
 4:30AM.....150.....20.....5.....N  
 5:30AM.....150.....20.....5.....N  
 6:30AM.....200.....20.....5.....N  
 GAS RATE 300 MCF/D, TOTAL WATER 28 BBLS ALL DAY, TOTAL LOAD TO REC 137 BBLS.

REPORT DATE : 11/15/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424,708 CC : \$530,171 TC : \$954,878  
 DAILY DETAILS : DN 24 HRS. WO CO. CP 300#.

REPORT DATE : 11/16/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : CC : TC : CUM : DC : \$424,708 CC : \$530,171 TC : \$954,878  
 DAILY DETAILS : PRODUCE 3-4 BW TO PIT, CP 300#, WO CO.

**PERC<sup>Y</sup>****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/17/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : FLWG 6 HRS, 32 MCF, CP 1100#, 30/64" CK.

REPORT DATE : 11/18/97 MD : 7.963 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$530.171 TC : \$954.878  
 DAILY DETAILS : FLWG 224 MCF, 86 BW, CP 400#, 20/64" CK.

REPORT DATE : 11/19/97 MD : 7.963 TVD : DAYS : 54 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.030 TC : \$3.030 CUM : DC : \$424.708 CC : \$533.201 TC : \$957.908  
 DAILY DETAILS : MI & RU COLO WELL SERV RIG #26. ND WH. NU BOP. CLEAN OUT FLAT TANK. SDFN

REPORT DATE : 11/20/97 MD : 7.963 TVD : DAYS : 55 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$10.845 TC : \$10.845 CUM : DC : \$424.708 CC : \$544.046 TC : \$968.753  
 DAILY DETAILS : PU & RIH W/2 3/8" TBG. TAG FILL @ 7347'. RU CUDD N2 UNIT & POWER SWIVEL. BRK CIRC W/N2 & FOAM. CIRC OUT SAND 7347-7520'. PUSHED CIBP & CIRC OUT SAND FROM 7520' TO PBTD @ 7963'. CIRC HOLE CLEAN & POOH ABOVE LINER TOP. SDFN. BBLS FLUID PMPD 85, BBLS FLUID REC 100, BBLS LEFT TO REC -15.

REPORT DATE : 11/21/97 MD : 7.963 TVD : DAYS : 56 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$8.252 TC : \$8.252 CUM : DC : \$424.708 CC : \$552.298 TC : \$977.005  
 DAILY DETAILS : SICP 1600 PSI. SITP 0. BLEW DWN CSG. RIH W/TBG. TAG FILL @ 7922' (41 FILL OVER NIGHT). RU N2 UNIT. BRK CIRC W/N2 & FOAM. CLEAN OUT SAND TO PBTD @ 7963'. CIRC HOLE CLEAN. POOH TO TOP OF LINER & WAIT 2 HRS. RIH TO PBTD @ 7963'. NO FILL. LD 1 JT TBG. 15 BBLS WTR DWN TBG. RU CUTTERS WLS. ATTEMPT TO CUT OFF 2 1/16" TBG 6' ABOVE MILL W/RADIAL TORCH. CUTTER MIS-FIRED. POOH & REPLACED TOOLS. RIH & CUT TBG 7' ABOVE MILL. TOOL STUCK WHEN SHOT. COULD NOT WORK FREE. PULLED OUT OF ROPE SOCKET. RD WL. POOH W/TBG ABOVE LINER TOP. SDFN. BBLS FLUID PMPD 15, BBLS LEFT TO REC 15.

REPORT DATE : 11/22/97 MD : 7.963 TVD : DAYS : 57 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$2.840 TC : \$2.840 CUM : DC : \$424.708 CC : \$555.138 TC : \$979.845  
 DAILY DETAILS : 1150 PSI ON CSG. BLOW DWN. POOH 60 STDS 2 3/8" TBG (SLM). RD FLOOR. ND HYDRIL & STRIPPING HEAD. NU SINGLE GATE BOP. SIFN.

REPORT DATE : 11/23/97 MD : 7.963 TVD : DAYS : 58 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$3.940 TC : \$3.940 CUM : DC : \$424.708 CC : \$559.078 TC : \$983.785  
 DAILY DETAILS : RU SNUBBING UNIT. POOH W/2 3/8", 2 1/16" TBG, 2 7/8" MILL & WL TOOLS. RIH W/NOTCHED COLLAR & 2 3/8" TBG. TAG @ 7922', 41' FILL. POOH W/2 3/8" TBG EOT @ 6700'. SDFN.

REPORT DATE : 11/24/97 MD : 7.963 TVD : DAYS : 59 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$10.287 TC : \$10.287 CUM : DC : \$424.708 CC : \$569.365 TC : \$994.072  
 DAILY DETAILS : ICP 1000 PSI, 0 TP. OPEN WELL. BLOW GAS DWN. NU HYDRIL. RU FLOOR & TIH. TAGGED FILL @ 7923'. CLEAN OUT TO 7963' PBTD. CIRC HOLE CLEAN. PULL TO STRING FLOAT. WAITED ONE HR. RIH. NO FILL. LD 4 JTS. LANDED @ 7660' W/45 JTS OF 2 1/16" & 206 JTS 2 3/8" W/PSN 1 JT UP ON 2 3/8" @ 6481'. ND BOP'S & NU WELLHEAD. SIFN. BBLS FLUID PMPD 116, BBLS FLUID REC 108

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 11/25/97 MD : 7.963 TVD : DAYS : 60 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$1.662 TC : \$1.662 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : ICP 1000 TBG 0 PSI. PU & SWB LUB. RI W/SWB. IFL 5000. MADE 2 RUNS. FL PSN STILL NO TBG PRESS. FILL TBG W/24 BBLS 3% KCL. BLEW PLUGOUT W/500 PSI. MADE 4 SWB RUNS. KICK WELL OFF. REC 19 BBLS. PUT IN 16/64 CHOKE. FLOW TO PIT 500 PSI ON TBG, 1000 CP. RD & MO. PUT WELL ON PROD.

REPORT DATE : 11/26/97 MD : 7.963 TVD : DAYS : 61 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 251 MCF, 80 BW, FTP 285#, CP 625#, 25/64" CK.

REPORT DATE : 11/27/97 MD : 7.963 TVD : DAYS : 62 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 18 MCF, 0 BW, FTP 120#, CP 900#, 25/64" CK, 1 HR.

REPORT DATE : 11/28/97 MD : 7.963 TVD : DAYS : 63 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 379 MCF, 99 BW, FTP 269#, CP 550#, 30/64" CK.

REPORT DATE : 11/29/97 MD : 7.963 TVD : DAYS : 64 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 4 MCF, 0 BW, FTP 232#, CP 950#, 30/64" CK, 1 HR.

REPORT DATE : 11/30/97 MD : 7.963 TVD : DAYS : 65 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 173 MCF, 114 BW, FTP 276#, CP 550#, 30/64" CK.

REPORT DATE : 12/1/97 MD : 7.963 TVD : DAYS : 66 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 225 MCF, 62 BW, FTP 325#, CP 550#, 30/64" CK.

REPORT DATE : 12/2/97 MD : 7.963 TVD : DAYS : 67 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 222 MCF, 45 BW, FTP 270#, CP 675#, 30/64" CK, 24 HRS.

REPORT DATE : 12/3/97 MD : 7.963 TVD : DAYS : 68 MW : 10.0 VISC : 27  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$424.708 CC : \$571.027 TC : \$995.734

DAILY DETAILS : FLWG 173 MCF, 35 BW, FTP 262#, CP 650#, 35/64" CK, 24 HRS. IP DATE: 10/22/97 - FLWG 727 MCF, 125 BW, FTP 560#, CP 1200#, 35/64" CK. - FINAL REPORT -

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 1992' FSL & 722' FEL

QQ, Sec., T., R., M.: NESE, Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #12-36

9. API Well Number:

43-047-32814

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

##### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Cement csg annulus                            |

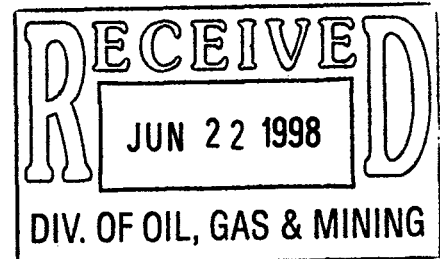
Date of work completion 5/14/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological well history for work performed on the subject well.



13.

Name & Signature

*Sheila Bremer*

Title

Sheila Bremer

Environmental & Safety Analyst

Date 6/18/98

(This space for State use only)

**THE COASTAL CORPORATION  
PRODUCTION REPORT**

**CHRONOLOGICAL HISTORY**

**MORGAN STATE #12-36**  
Natural Buttes Field  
Uintah County, Utah

**Page 1**

**Cement 8-5/8" - 4-1/2" casing annulus**

5/14/98

**Well on production.** RU Dowell to 8-5/8" - 4-1/2" csg annulus f/top dn job. Pmp 20 bbl LCM pill. Lean w/65 sx class "G" w/add wt 11.5 yd 3.18. Tail w/190 sx class "G" w/add at 11.5 yd 3.16. Flush w/1 bbl wtr. ISIP 20 psi, MP 63 psi at 3 BPM, AP 40 psi at 2.5 BPM. Wash up and RD Dowell. Open csg valve w/blow. **Final report.**  
DC: \$7,882

CC: \$7,882

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 1992' FSL & 722' FEL

QQ, Sec. T., R., M.: NESE, Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #12-36

9. API Well Number:

43-047-32814

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon*   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing  | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans  | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Clean Out, Lwr Tbg and install PLE</u> |   |

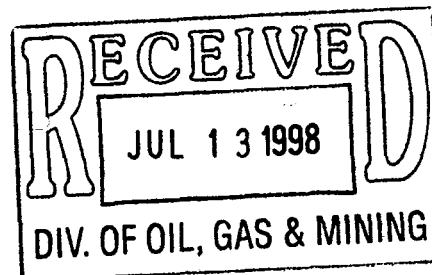
Date of work completion 7/6/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological well history for work performed on the subject well.



13.

Name & Signature

*Bonnie Carson*

Bonnie Carson

Title Senior Environmental Analyst

Date 7/10/98

(This space for State use only)



**CLEAN OUT LWR TBG INSTALL PLE**

- 6/22/98 **PU tbg. MIRU. SICIP 1337 psi, FTP 5 psi. Blow well dwn. ND WH, NU BOPs. RU floor & tbg equip. RU & pmp 110 BBLS 2% dwn csg. PU & LD hanger. POOH & LD 2-3/8" tbg. XO to 2-1/16" tbg & equip & chg rams. Pmp 100 BBLS 2% dwn csg. LD 25 jts 2-1/16" tbg. Well flwg. Pmp 50 BBLS 2% dwn csg. POOH w/tbg. Sd in SN. SDFN.**  
DC: \$ 4,740 CC: \$ 4,740
- 6/23/98 **RU Foam unit & CO. SICIP 700 psi. Blow well dwn. Pmp 120 BBLS 2% KCl dwn csg. PU 2-1/16" tbg & RIH. Well kick'g. Pmp 100 BBLS 2% KCl dwn csg. F/PU & RIH w/tbg. Well kick'g. Pmp 65 BBLS 2% dwn csg. Tag sd @ 7914'. LD 2 jts. EOT @ 7853'. RU & broach tbg to 4409'. Tite spot, wrk thru spot. POOH w/broach. Pmp 15 BBLS 2% KCl dwn tbg. RIH w/broach to 4460'. Tite spot. POOH w/broach, sd on broach. RD. RU strip'g head. SDFN.**  
DC: \$ 4,722 CC: \$ 9,462
- 6/24/98 **RDMO. Prep to swb. SITP 200 psi, SICIP 500 psi. Blow well dwn. ND stripping head. NU BOP w/2-3/8" rams. NU stripping head. PU 2-1/16" tbg. RU swivel. Tag sd @ 7910'. Brk circ w/air foam. CO f/7910-63' (PBDT). Circ hole clean @ 7963'. Pmp 10 BBLS dwn tbg. RD swivel & LD tbg. ND BOP. RU SU & broach tbg to SN. RD. PU hanger. Land 2-1/16" tbg @ 7860', SN @ 7825'. ND BOPs, NU WH. SDFN.**  
DC: \$22,297 CC: \$31,759
- 6/25/98 **Swb. RDMO. MIRU SU. Hook-up PLE. SICIP 900 psi, SITP 80 psi. IFL 3600'. Swb 35 BLF/15 runs. FFL 4000'. FCP 1050 psi, FTP 0 psi. SDFN.**  
DC: \$1,208 CC: \$32,967
- 6/26/98 **Swb. ITP 100 psi, ICP 1050 psi. IFL 4000'. Swb 50 BLF/18 runs. FFL 4600'. FCP 1340 psi. (Changed csg gauge). SDFN.**  
DC: \$1,344 CC: \$34,311
- 6/27/98 **Swb. ITP 100 psi, ICP 1340 psi. IFL 4200'. Made 1 run ok, then 2-1/16" cup would not go in hole - lots of sand. Ran 1.9 cups to try to flush tbg. Making 1 bbl per run - 2-1/16" still hanging up. Made 8 runs, rec 10 bbls. FFL 4200'. FCP 1380 psi. SI for PBU until Monday.**  
DC: \$1,119 CC: \$35,430
- 6/28/98 **Swb. MIRU Delsco. SICIP 1350 psi, SITP 50 psi. Equalize tbg & RIH w/wire brush to SN @ 7825'. RD Delsco. Blow tbg. Leave well open for 1 hr w/weak blow. FCP 1350 psi, FTP 50 psi. SI for PBU.**  
DC: \$542 CC: \$35,972
- 6/29/98 **Swb. SITP 50 psi, SICIP 1375 psi. IFL 3600'. Swb 20 BLF/10 runs. Well flowed 10 BW & then died. Swb 2 BLF/1 run. FFL 3600'. FTP 20 psi, FCP 1260#. Leave well open to separator @ 5:00 pm.**  
DC: \$1,118 CC: \$37,090
- 6/30/98 **Swb. SICIP 1360 psi, FTP 0 psi. IFL 3100'. Swb 40 BLF/7 runs. FFL 3600'. Having trouble getting dn w/swab cups. RU Delsco & broach tbg to SN & wire brush to SN. Drop plunger & trip 1 time. Well logged off. SDFN @ 7:30 pm.**  
DC: \$2,076 CC: \$39,166
- 7/1/98 **Well put to tank on 32/64" ck. SICIP 1325#, SITP 0 psi. IFL 3600'. Swb 25 BLF/10 runs. Well flwg to pit 1 hr. Put well to tank on 32/64" ck. FTP 150 psi, FCP 950 psi.**  
DC: \$766 CC: \$39,832
- 7/2/98 **SI for PBU.**
- 7/3/98 **Flwg to tank. Flwd 111 BW, FTP 20 psi, CP 600 psi, 64/64" ck.**
- 7/4/98 **Flwg 138 MCF, 115 BW, FTP 88 psi, CP 529 psi, 64/64" ck, 24 hrs.**
- 7/5/98 **Flwg 199 MCF, 20 BW, FTP 90#, CP 513#, 64/64" ck, 24 hrs.**
- 7/6/98 **Flwg 206 MCF, FTP 90 psi, CP 525 psi, 64/64" ck, 24 hrs. Prior production: Flwg 75 MCF, 28 BW, FTP 120 psi, CP 415 psi, 64/64" ck, 24 hrs. Final Report.**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

1. Type of Well: OIL ☐ GAS ☒ OTHER:

8. Well Name and Number:

Morgan State #12-36

2. Name of Operator

Coastal Oil & Gas Corporation

9. API Well Number:

43-047-32814

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

10. Field and Pool, or Wildcat

Natural Buttes Field

4. Location of Well

Footages: 1992' FSL & 722' FEL

County: Uintah

QQ, Sec., T., R., M.: NESE, Section 36-T9S-R21E

State: Utah

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Raise tbg & swab well                         |

Date of work completion 7/29/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological well history for work performed on the subject well.

13.

Name & Signature

*Bonnie Carson*

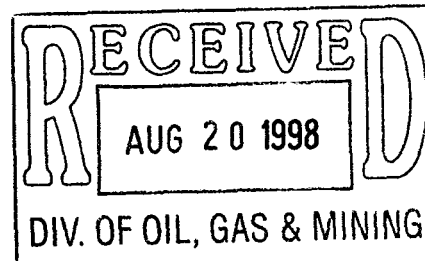
Title

Bonnie Carson

Senior Environmental Analyst

Date 8/17/98

(This space for State use only)



**Raise Tbg & Swab on Well - LOE**

7/28/98 **Swab on well.** Road rig f/CIGE #77D to MS #12-36. MIRU. Blow well dn. ND WH. NU BOPS. RU floor & tbg equip. PU & LD hgr & LD 19 jts 2-1/16" tbg. PU hgr & land w/219 jts 2-1/16", N-80, 3.25# tbg w/NC & SN. EOT @ 7238' & SN @ 7204'. RD floor & tbg equip. ND BOPS. NU WH. RU & swab. Made 7 runs, rec 28 BW. IFL 4400', FFL 4200'. ICP 400#, FCP 350#. ITP 100#, FTP 0#. SWIFN.  
DC: \$3,183 TC: \$3,183

7/29/98 **Well on prod.** SICP 550#, SITP 600#. RD swab & drop plunger. Trip plunger twice & put well on sales @ 8:30 am. RDMO. **Final Report.**  
DC: \$1,112 TC: \$4,295

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

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1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 1992' FSL & 722' FEL

QQ, Sec., T., R., M.: NESE, Section 36-T9S-R21E

5. Lease Designation and Serial Number

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N/A

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Morgan State #12-36

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10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

##### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Site Security Plan                            |

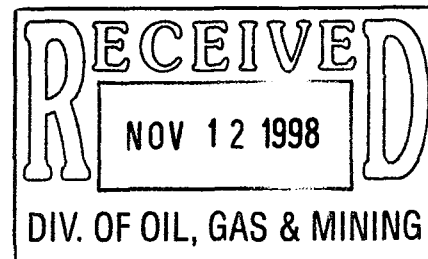
Date of work completion \_\_\_\_\_

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached updated site security diagram for the subject well.



13.

Name & Signature

*Sheila Bremer*

Title

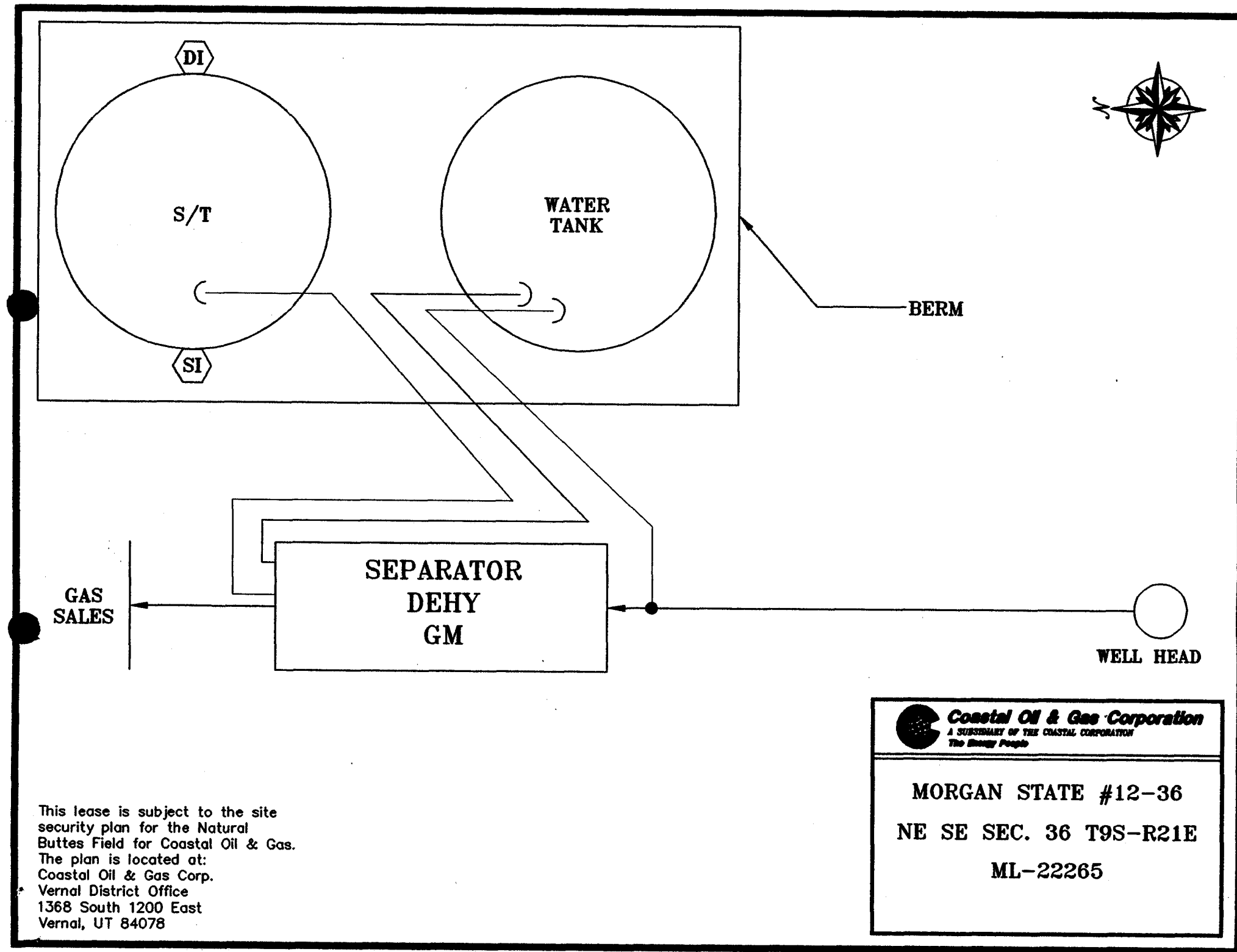
Sheila Bremer

Environmental & Safety Analyst

Date

11/9/98

(This space for State use only)



This lease is subject to the site security plan for the Natural Buttes Field for Coastal Oil & Gas. The plan is located at: Coastal Oil & Gas Corp. Vernal District Office 1368 South 1200 East Vernal, UT 84078

 **Coastal Oil & Gas Corporation**  
A SUBSIDIARY OF THE COASTAL CORPORATION  
The Energy People

MORGAN STATE #12-36  
NE SE SEC. 36 T9S-R21E  
ML-22265

# MORGAN STATE #12-36

## POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

VALVE	LINE PURPOSE	POSITION	SEAL INSTALLED
D1	Drain	Closed	Yes
S1	Sales	Closed	Yes

## POSITION OF VALVES AND USE OF SEALS DURING SALES

VALVE	LINE PURPOSE	POSITION	SEAL INSTALLED
D1	Drain	Closed	Yes
S1	Sales	Open	No

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

68 South 1200 East CITY Vernal

STATE Utah ZIP 84078

PHONE NUMBER:

435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Name Change

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT)

John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT)

John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

---

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 15 2001

DIVISION OF  
OIL, GAS AND MINING



0610204 8100

010162788

*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01



## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL &amp; GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
(Margaret E. Roark, Assistant Secretary)

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

# RECEIVED

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTSL-065841

(UT-924)

JUL 10 2001

### NOTICE

El Paso Production Oil & Gas Company : Oil and Gas  
Nine Greenway Plaza :  
Houston TX 77046-0095 :

#### Name Change Recognized

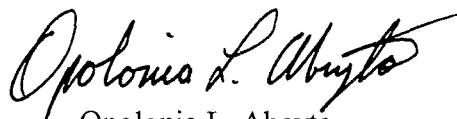
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

### Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

1. GLH		4-KAS
2. CDW ✓		5-LP ✓
3. JLT		6-FILE

### Designation of Agent

## X Merger

<b>FROM:</b> (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO: ( New Operator):</b>
<b>EL PASO PRODUCTION OIL &amp; GAS COMPANY</b>
<b>Address: 9 GREENWAY PLAZA STE 2721 RM 2975B</b>
<b>HOUSTON, TX 77046-0995</b>
<b>Phone: 1-(832)-676-4721</b>
<b>Account N1845</b>

Unit: NATURAL BUTTES-NOT IN PA

**WELL(S)**

[illegible]

## OPERATOR CHANGES DOCUMENTATION

- |    |   |                                       |
|----|---|---------------------------------------|
| 1. | (R649-8-10) Sundry or legal documentation was received from the <b>FORMER</b> operator on:                        | <u>06/19/2001</u>                     |
| 2. | (R649-8-10) Sundry or legal documentation was received from the <b>NEW</b> operator on:                           | <u>06/19/2001</u>                     |
| 3. | The new company has been checked through the <b>Department of Commerce, Division of Corporations Database</b> on: | <u>06/21/2001</u>                     |
| 4. | Is the new operator registered in the State of Utah:  | YES      Business Number: 608186-0143 |

5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/18/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/18/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 400JU0705

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on:

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on:

---

**COMMENTS:** Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

---

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JAN. 17. 2003 3:34PM

WESTPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436  
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior  
Bureau of Land Management  
2850 Youngfield Street  
Lakewood, CO 80215-7093  
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203  
BLM Nationwide Bond 158626364  
Surety - Continental Casualty Company  
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.  
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.  
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.  
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,  
Westport Oil and Gas Company, L.P.

Debby J. Black  
Engineer Technician

Encl:



# United States Department of the Interior **RECEIVED**

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

### NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas  
410 Seventeenth Street, #2300 :  
Denver Colorado 80215-7093 :

#### Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

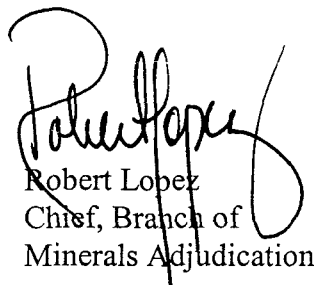
The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.



Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405  
UTU-20895  
UTU-25566  
UTU-43156  
UTU-49518  
UTU-49519  
UTU-49522  
UTU-49523



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES  
Ute Energy & Mineral Resources Department: Executive Director  
chronos





## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:

Real Estate Services

Carroll A. Wilson  
Principal Landman  
Westport Oil and Gas Company, L.P.  
1368 South 1200 East  
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 9 Greenway Plaza Houston TX 77064-0995		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 676-5933		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

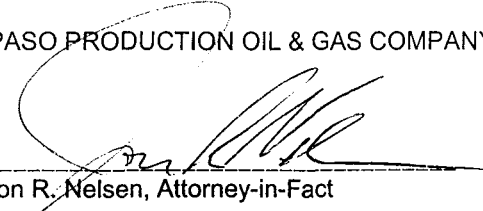
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # \_\_\_\_\_

State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

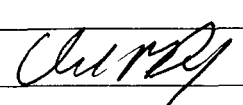
EL PASO PRODUCTION OIL & GAS COMPANY

By:   
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.	
NAME (PLEASE PRINT) David R. Dix	TITLE Agent and Attorney-in-Fact
SIGNATURE 	DATE 12/17/02

(This space for State use only)

Form 3160-5  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL &amp; GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

SEE ATTACHED EXHIBIT "A"

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	SUCCESSOR OF
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletes horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS &amp; MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Date

March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW /

3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

<b>FROM:</b> (Old Operator):	<b>TO:</b> ( New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No.

Unit:

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MORGAN STATE 3-36	36-09S-21E	43-047-32589	12002	STATE	GW	P
MORGAN STATE 4-36	36-09S-21E	43-047-32729	12068	STATE	GW	P
MORGAN STATE 5-36	36-09S-21E	43-047-32735	12069	STATE	GW	P
MORGAN STATE 6-36	36-09S-21E	43-047-32810	12119	STATE	GW	P
MORGAN STATE 7-36	36-09S-21E	43-047-32811	12134	STATE	GW	P
MORGAN STATE 8-36	36-09S-21E	43-047-32812	12179	STATE	GW	P
MORGAN STATE 9-36	36-09S-21E	43-047-32815	12178	STATE	GW	P
MORGAN STATE 10-36	36-09S-21E	43-047-32816	12135	STATE	GW	P
MORGAN STATE 11-36	36-09S-21E	43-047-32813	12137	STATE	GW	P
MORGAN STATE 12-36	36-09S-21E	43-047-32814	12136	STATE	GW	S
MORGAN STATE 13-36	36-09S-21E	43-047-32817	12130	STATE	GW	S
MORGAN STATE 14-36	36-09S-21E	43-047-33092	13194	STATE	GW	P
MORGAN STATE 16-36	36-09S-21E	43-047-33093	12407	STATE	GW	S
MORGAN STATE 15-36	36-09S-21E	43-047-33094	12384	STATE	GW	S
UTE TRAIL 6 1 (CA CR-12)	06-09S-22E	43-047-30667	185	INDIAN	GW	P
STATE 6-56 (TRIBAL) (CA CR-12)	06-09S-22E	43-047-32699	11839	FEDERAL	GW	P
TRIBAL 6-64 (CA CR-12)	06-09S-22E	43-047-33338	12676	INDIAN	GW	P
FEDERAL 6-100 (CA CR-12)	06-09S-22E	43-047-33401	12695	FEDERAL	GW	P
HALL 6-135 (CA CR-12)	06-09S-22E	43-047-33440	12711	FEE	GW	P
HALL 6-136 (CA CR-12)	06-09S-22E	43-047-33437	12700	FEE	GW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/09/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/27/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/27/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals		6. Lease Designation and Serial Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement <b>MULTIPLE WELLS- SEE ATTACHED</b>
		9. Well Name and Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
2. Name of Operator <b>WESTPORT OIL &amp; GAS COMPANY, L.P.</b>		11. Field and Pool, or Wildcat <b>MULTIPLE WELLS- SEE ATTACHED</b>
3. Address of Operator <b>1368 SOUTH 1200 EAST, VERNAL, UTAH 84078</b>	4. Telephone Number <b>435-781-7060</b>	
5. Location of Well Footage : <b>MULTIPLE WELLS- SEE ATTACHED</b> County : <b>UINTAH</b> QQ, Sec, T., R., M : <b>MULTIPLE WELLS- SEE ATTACHED</b> State : <b>UTAH</b>		
12. <b>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		

**NOTICE OF INTENT**

(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>VARIANCE</u>	

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Debra Domenici Title Environmental Assistant Date 07/12/04

(State Use Only)

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**

Federal Approval Of This  
 Action Is Necessary

Date: 7/15/04By: [Signature]

See Instructions on Reverse Side

(8/90)

COPY SENT TO OPERATOR

Date: 7-16-04Initials: CAD**RECEIVED****JUL 14 2004**

DIV. OF OIL, GAS &amp; MINING



# Westport Oil & Gas, L.P. Project Economics Worksheet

Instructions: Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? **N** (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULLING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

Increased OPX Per Year

## Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

## Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

## Project Life:

Life = **20.0** Years  
(Life no longer than 20 years)

## Internal Rate of Return:

After Tax IROR = **#DIV/0!**

## AT Cum Cashflow:

Operating Cashflow = **(\$2,917)** (Discounted @ 10%)

## Payout Calculation:

Payout =  $\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}}$  = 1

Payout occurs when total AT cashflow equals investment  
See graph below, note years when cashflow reaches zero

Payout = **NEVER** Years or **#VALUE!** Days

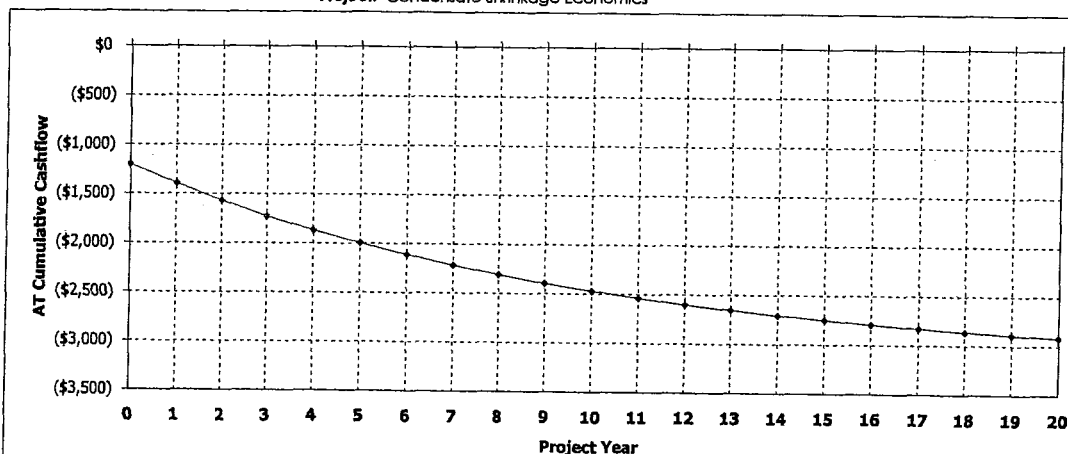
## Gross Reserves:

Oil Reserves = **6 BO**  
Gas Reserves = **0 MCF**  
Gas Equiv Reserves = **38 MCFE**

## Notes/Assumptions:

**An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

Project: Condensate Shrinkage Economics



# Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

## COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio ( scf/STbbl ) (A)	Specific Gravity of Flashed Gas ( Air=1.000 )	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

### Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

### Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
ARCHY BENCH STATE 1-2	NENE SEC 2, T11S, R22E	ML22348A		4304731489
BAYLESS STATE 02-01	SWSE SEC 2, T9S, R20E	ML47044		4304734540
BONANZA 1023-2A	NENE SEC. 2, T10S, R23E	ML47062		4304735347
BONANZA 1023-2C	NENW SEC. 2, T10S, R23E	ML47062		4304735346
BONANZA 1023-2E	SWNW SEC. 2, T10S, R23E	ML47062		4304735345
KENNEDY WASH STATE 16-1	NWNW SEC 16, T8S, R23E	ML47212		4304733589
MORGAN STATE 01-36	SENE SEC 36, T9S, R21E	ML22265		4304730600
MORGAN STATE 02-36	NWNE SEC 36, T9S, R21E	ML22265		4304732585
MORGAN STATE 03-36	NWNE SEC 36, T9S, R21E	ML22265		4304732589
MORGAN STATE 04-36	NWSW SEC 36, T9S, R21E	ML22265		4304732729
MORGAN STATE 05-36	NWSE SEC 36, T9S, R21E	ML22265		4304732735
MORGAN STATE 06-36	SWNW SEC 36, T9S, R21E	ML22265		4304732810
MORGAN STATE 07-36	NENW SEC 36, T9S, R21E	ML22265		4304732811
MORGAN STATE 08-36	NENE SEC 36, T9S, R21E	ML22265		4304732812
MORGAN STATE 09-36	SWNE SEC 36, T9S, R21E	ML22265		4304732815
MORGAN STATE 10-36	SENE SEC 36, T9S, R21E	ML22265		4304732816
MORGAN STATE 11-36	NESW SEC 36, T9S, R21E	ML22265		4304732813
MORGAN STATE 12-36	NESE SEC 36, T9S, R21E	ML22265		4304732814
MORGAN STATE 13-36	SESE SEC 36, T9S, R21E	ML22265		4304732817
MORGAN STATE 14-36	SWSW SEC 36, T9S, R21E	ML22265		4304733092
MORGAN STATE 15-36	SESW SEC 36, T9S, R21E	ML22265		4304733094
MORGAN STATE 16-36	SWSE SEC 36, T9S, R21E	ML22265		4304733093
STATE 01-32	NESW SEC 32, T10S, R22E	ML22798	891008900A	4304734317
STATE 02-32	SESW SEC 32, T10S, R22E	ML22798		4304734831
STATE 03-32	NWSW SEC 32, T10S, R22E	ML22798		4304734832
STATE 1022-32A	NENE SEC. 32, T10S, R22E	ML22798		4304735096
STATE 1022-32J	NWSE SEC 32, T10S, R22E	ML22798		4304735095
STATE 1022-32M	SWSW SEC 32, T10S, R22E	ML-22798		
STATE 1022-32O	SWSE SEC. 32, T10S, R22E	ML22798		4304735315
STATE 11-36	NESW SEC 36, T8S, R21E	ML22051	9C-205	4304734505
STATE 14-16	SWSW SEC 16, T7S, R21E	ML40904		4304731417
STATE 31-32	SESE SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304730906
STATE 32-21	NESE SEC 32, T8S, R21E	ML22052	9C-204	4304730754
STIRRUP STATE 32-1	NWNE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731557
STIRRUP STATE 32-1-J	NWSE SEC 32, T6S, R21E	ML40226		4304731646
STIRRUP STATE 32-2	SENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731626
STIRRUP STATE 32-6 SWD	NENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304732784
UTE TRIBAL 31-060	NESW SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304733340
WONSITS STATE 01-32	SWNE SEC 32, T7S, R22E	ML47780		4304732820
WONSITS STATE 02-32	SWSE SEC 32, T7S, R22E	ML47780		4304732819
WONSITS STATE 05-32	SENE SEC 32, T7S, R22E	ML47780		4304733678
WONSITS STATE 09-32	NESW SEC 32, T7S, R22E	ML47780		4304734060

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22265
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1992'FSL, 722'FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 36 9S 21E		8. WELL NAME and NUMBER: MORGAN STATE 12-36
PHONE NUMBER: (435) 781-7024		9. API NUMBER: 4304732814
		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATION ON TEMPORARILY ABANDONMENT STATUS. THE SUBJECT WELL LOCATION IS CURRENTLY BEING EVALUATED FOR PLUG AND ABANDONMEN STATUS.

RECEIVED

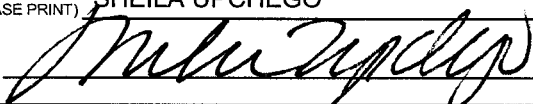
MAY 02 2008

DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 5-19-2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 4/25/2008

(This space for State use only)

REQUEST DENIED - beyond 7/08

Utah Division of  
Oil, Gas and Mining

Date: 5/12/08

By: 

\* See V-Log-3-36



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

October 1, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 6466

Ms. Sheila Upchego  
Kerr McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078

43 047 32814  
Morgan State 12-36  
95 21E 36

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Ms. Upchego,

As of July 2008, Kerr McGee Oil & Gas has twenty-eight (28) State and Mineral Lease Wells (see attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



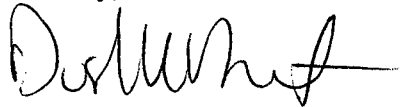
Page 2  
October 1, 2008  
Ms. Upchego

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

js  
Enclosure

cc: Jim Davis, SITLA  
Operator Compliance File  
Well File

### ATTACHMENT A

	<b>Well Name</b>	<b>API</b>	<b>Lease Type</b>	<b>Location</b>	<b>Years Inactive</b>
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SENE Sec 13-10S-20E	1 Year
7	NBU 213-36J	43-047-31268	ML-22650	NENE Sec 36-09S-22E	1 Year 1 Month
8	ARCHY BENCH STATE 1-2	43-047-31489	ML-22348-A	NENE Sec 02-11S-22E	1 Year 10 Months
9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
10	NBU 157	43-047-32007	ML-22649	SESW Sec 32-09S-22E	1 Year 3 Months
11	NBU 343-36E	43-047-32205	ML-22650	SENE Sec 36-09S-22E	1 Year 7 Months
12	NBU 265	43-047-32796	ML-13826	NESE Sec 02-10S-21E	1 Year 2 Months
13	MORGAN STATE 12-36	43-047-32814	ML-22265	NESE Sec 36-09S-21E	1 Year
14	WONSITS STATE 1-32	43-047-32820	ML-47780	SWNE Sec 32-07S-22E	4 Years
15	NBU 333	43-047-33641	ML-23608	SWSW Sec 13-10S-21E	1 Year 6 Months
16	NBU 389	43-047-34229	ML-21329	NENE Sec 28-10S-21E	1 year 4 Months
17	STATE 921-32P	43-047-34422	ML-48758	SESE Sec 32-09S-21E	1 Year 5 Months
18	STATE 920-36P	43-047-34423	ML-48757	SESE Sec 36-09S-20E	2 years 9 Months
19	NBU 440	43-047-34785	STATE	SWNW Sec 34-09S-21E	1 Year 4 Months
20	NBU 442	43-047-34788	STATE	NWSW Sec 35-09S-21E	2 Years 8 Months
21	CIGE 284	43-047-34792	ML-23612	SWNW Sec 01-10S-21E	1 Year 2 Months
22	CIGE 285	43-047-34793	ML-22652	NENE Sec 02-10S-21E	1 Year 8 Months
23	STATE 920-36O	43-047-35788	ML-48757	SWSE Sec 36-09S-20E	1 Year 8 Months
24	NBU 1022-16G	43-047-35948	ML-3276	SWNE Sec 16-10S-22E	1 Year 2 Months
25	NBU 1022-16B	43-047-36158	ML-3276	NWNE Sec 16-10S-22E	1 Year 3 Months
26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



Kerr McGee Oil and Gas Onshore LP  
1368 SOUTH 1200 EAST • VERNAL, UT 84078  
435-789-4433 • FAX 435-781-7094

November 10, 2008

Mr. Dustin K. Doucet  
Division of Oil, Gas and Mining

43 047 32814  
Morgan State 12-36  
95 21E 36

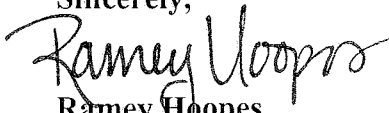
RE: Extended Shut-In and Temporarily Abandoned Wells  
Greater Natural Buttes Area

Dear Mr. Doucet:

Our plan of action for wells cited in your October 1, 2008, letter regarding SI and TA wells is attached. We plan to plug, recompleat or workover every well on the list during the next six months. We will positively establish casing mechanical integrity at that time. In particular, the EPA has requested an expanded Area of Review for the UIC permits we have either received or are preparing. We have to have a plan for a large number of wells in the bottom tier of sections in Township 9S-21E. **These are shown in bold font.**

We have not enclosed all of the data requested in light of the fact that we plan to mobilize on these wells in the near future. If you still require that data, please let us know and we will commence gathering it.

Sincerely,

  
Ramey Hoopes

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING



1	CIGE 5	43-047-30335
2	CIGE 54D	43-047-30851
3	CIGE 80D	43-047-30853
4	CIGE 51D	43-047-30889
5	NBU 54N	43-047-30890
6	CIGE 92D	43-047-31162
7	NBU 213-36J	43-047-31268
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9	CIGE 97D	43-047-31729
10	NBU 157	43-047-32007
11	NBU 343-36E	43-047-32205
12	NBU 265	43-047-32796
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16	NBU 389	43-047-34229
17	STATE 921-32P	43-047-34422
18	STATE 920-36P	43-047-34423
19	NBU 440	43-047-34785
20	NBU 442	43-047-34788
21	CIGE 284	43-047-34792
22	CIGE 285	43-047-34793
23	STATE 920-36O	43-047-35788
24	NBU 1022-16G	43-047-35948
25	NBU 1022-16B	43-047-36158
26	NBU 921-34K	43-047-36389
27	BONANZA 1023-16J	43-047-37092
28	NBU 921-34J	43-047-37953

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS &amp; MINES

## CATEGORY 3 - STATE OR FEE SHUT IN WELL LIST

Well	Reason for SI/TA	POA Timing	Comments & Reasoning for POA
Archy Bench State 1-2	Wellbore integrity issues & poor production	Q2 2009	Refrac & recomplete potential exists in well. Work will be done to establish production.
Wonsits State 1-32	Not completed in best existing quality pay	Q1 2009	Recomplete potential exists in well. Work will be done to establish production.
State 920-36P	High water producer with very little gas production	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
State 920-36O	High water producer with very little gas production	Q2 2009	Review of new drills within section & water shut off work needed to determine potential. Water shut off or P&A will be recommended.
NBU 1022-16G	High water producer with very little gas production	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcf/d & 69 bwpd.
NBU 1022-16B	High water producer with very little gas production	0	Should not be classified as SI as a WSO was performed & production was established in May of 2008. Current rates of 155 mcf/d & 69 bwpd.
NBU 213-36J			EOG operated well.
NBU 343-36E			EOG operated well.
BONANZA 1023-16J	Permits being prepared for additional wells		Surface casing set, preparing additional APD's to use location as a multi-well pad. This well will be drilled with the others.
CIGE 5	1.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
CIGE 80D	0.4 Bcf Tw Cum. Low gas production.	Q1 2009	Potential for Clean out and RTP.
CIGE 51D	1.0 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 54N	1.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
CIGE 92D	1.6 Bcf Tw Cum.	Q1 2009	Will review for bypassed pay. Prob depleted and can P&A.
CIGE 97D	0.4 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 157	0.5 Bcf Tw Cum. Twinned in 2007.	Q1 2009	Can P&A.
NBU 265	0.05 Bcf Tw. Refraced in 2007.	Q1 2009	High risk RC cand; 1.7 Bcf Offset. 88XG prob beter RC candidate. Therefore P&A.
NBU 333	0.09 Bcf W/TM. RC Candidate.	Q4 2008	Reviewed 11-06 by kfm (me). Time to RC.
NBU 389	0.07 Bcf Tw Cum. RC Candidate.	Q1 2009	2002 Vintage. Review for RC.
CIGE 54D	0.95 Bcf Tw Cum. SI in 2006.	Q4 2008	Will review for RC potential. Within EPA requested Area of Review.
MORGAN STATE 12-36	0.09 Bcf W/TM.	Q1 2009	Note comm w 41J, 2.7 Bcf well. Prob fraced into in 1997. High risk RC. P&A. Within EPA requested Area of Review.
STATE 921-32P	0.1 Bcf W/TM/MM. High water producer.	Q1 2009	Pkr below Mid Tw prod log, unsuccessful water shut off. Try pkr at Top of Kmv. Wihin EPA requested Area of Review.
NBU 440	0.01 Bcf W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
CIGE 285	0.1 Bcf. W/TM/MM. High water producer.	Q1 2009	Attempt to set pkr at top of Kmv and produce.
NBU 442		Q42008	UIC permit application being prepared.
CIGE 284		Q1 2009	Within EPA requested Area of Review.
CIGE 285		Q1 2009	Within EPA requested Area of Review.
NBU 921-34K		Q1 2009	Mobilizing to convert well to injection.
NBU 921-34J		Q1 2009	Test Green River. UIC candidate. Within EPA requested Area of Review.



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

December 23, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633

Ms. Ramey Hoopes  
Kerr McGee Oil and Gas  
1368 South 1200 East  
Vernal, UT 84078

43 047 32814  
Morgan State 12-36  
95 21E 36

SUBJECT: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Ms. Hoopes:

The Division of Oil, Gas and Mining (Division) is in receipt of your letter dated November 10, 2008 (received by the Division on November 12, 2008) in regards to the twenty-eight (28) shut-in or temporarily abandoned (SI/TA) wells operated by Kerr McGee Oil and Gas (Kerr McGee). It is the Divisions understanding that Kerr McGee plans to plug, recomplete or workover every well on Attachment A during the next six months.

Based on the submitted information and plan to bring the listed wells out of non-compliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Sincerely,

Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Enclosure  
cc: Jim Davis, SITLA  
Operator Compliance File  
Well File

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## ATTACHMENT A

	Well Name	API	Lease Type	Location	Years Inactive
1	CIGE 5	43-047-30335	STATE	NWSE Sec 31-09S-22E	1 Year 4 Months
2	CIGE 54D	43-047-30851	ML-22582	NENE Sec 35-09S-21E	2 Years 4 Months
3	CIGE 80D	43-047-30853	ML-22652	NWNW Sec 02-10S-21E	1 Year
4	CIGE 51D	43-047-30889	STATE	NENE Sec 31-09S-22E	1 Year 3 Months
5	NBU 54N	43-047-30890	ML-22649	NESW Sec 32-09S-22E	1 Year 3 Months
6	CIGE 92D	43-047-31162	STATE	SESW Sec 13-10S-20E	1 Year
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9	CIGE 97D	43-047-31729	STATE	SESE Sec 31-09S-22E	1 Year 7 Months
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26	NBU 921-34K	43-047-36389	STATE	NESW Sec 34-09S-21E	1 Year 2 Months
27	BONANZA 1023-16J	43-047-37092	ML-22186-A	NWSE Sec 16-10S-23E	1 Year 4 Months
28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

December 23, 2008  
January 27, 2009 – re-mailed

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6633 (returned unclaimed)  
CERTIFIED MAIL NO.: 7004 2510 0004 1824 6695

Ms. Ramey Hoopes  
Kerr McGee Oil and Gas  
1368 South 1200 East  
Vernal, UT 84078

43 047 32814  
Morgan State 12-36  
95 21E 36

SUBJECT: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

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Based on the submitted information and plan to bring the listed wells out of non-compliance status within a six month period the Division grants extended SI/TA status for the wells listed on Attachment A until September 1, 2009, allowing adequate time to perform the proposed work.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281

Sincerely,

Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js

Enclosure

cc: Jim Davis, SITLA  
Operator Compliance File  
Well File

N:\O&G Reviewed Docs\Chron file\Petroleum Engineer\SITLA\20081212 KerrMcGee SITLA response.doc



## ATTACHMENT A

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6	CIGE 92D	43-047-31162	STATE	SENE Sec 13-10S-20E	1 Year
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28	NBU 921-34J	43-047-37953	STATE	NWSE Sec 34-09S-21E	1 Year

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

<b>FROM: (Old Operator):</b> N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO: ( New Operator):</b> N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
-----------	-----	-----	-----	--------	-----------	------------	-----------	-------------

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.  
KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**

**MAY 10 2006**

DIV. OF OIL, GAS & MINING

**BLM BOND = C01203**

**BIA BOND = RLB0005239**

**APPROVED 5/16/06**

**Earlene Russell**

**Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**RANDY BAYNE**

Signature

*Randy Bayne*

Title

**DRILLING MANAGER**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## Kerr-McGee Oil & Gas Onshore LP

1368 South 1200 East Vernal Utah 84078  
Telephone: 435-781-7024 Fax: 720-929-3616

August 26, 2009

Dustin Doucet  
State of Utah  
1594 West North Temple, Suite 1210, PO Box 145801  
Salt Lake City, UT 84114

43 047 32814  
Morgan State 12-36  
95 21E 36

SUBJECT: Response to Letter Regarding Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated September 23, 2008

Dear Mr. Doucet:

Kerr McGee Oil and Gas (Kerr McGee) is responding to the Division of Oil, Gas and Mining's request to bring the listed wells out of non-compliance status by September 1, 2009. See Attachment A for the list of wells and our plan for each well. All wells will either be plugged, recompleted, converted to SWD monitor wells, or have been returned to production.

Kerr McGee will be providing sundry notices and procedures within 60 days from this notice. If you have any questions or need additional information in regards to the above please contact Paul Wages at (435) 781 - 7037.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Sheila Wopsock'.

Sheila Wopsock  
Regulatory Analyst

Enclosure

RECEIVED

AUG 31 2009

DIV. OF OIL, GAS & MINING

## ATTACHMENT A

Well Name	API	Plan
CIGE 5	4304730335	P&A
CIGE 54D	4304730851	Already TA'd for SWD monitor well
CIGE 80D	4304730853	TA – Monitor Well
CIGE 51D	4304730889	P&A
NBU 54N	4304730890	P&A
CIGE 92D	4304731162	P&A
NBU 213-36J	4304731268	EOG Well
ARCHY BENCH STATE 1-2	4304731489	P&A
CIGE 97D	4304731729	P&A
NBU 157	4304732007	P&A
NBU 343-36E	4304732205	EOG Well
NBU 265	4304732796	P&A
MORGAN STATE 12-36	4304732814	P&A <i>Tops PA/E S-36</i>
WONSITS STATE 1-32	4304732820	P&A
NBU 333	4304733641	P&A
NBU 389	4304734229	P&A
STATE 921-32P	4304734422	TA for future SWD monitor well or
STATE 920-36P	4304734423	P&A
NBU 440	4304734785	TA – Monitor Well
NBU 442	4304734788	P&A
CIGE 284	4304734792	Has been returned to production
CIGE 285	4304734793	P&A
STATE 920-36O	4304735788	P&A
NBU 1022-16G	4304735948	Currently producing
NBU 1022-16B	4304736158	Currently producing
NBU 921-34K	4304736389	Already converted to SWD Well
BONANZA 1023-16J	4304737092	Has surface hole only, extend TA status to keep for future pad location
NBU 921-34J	4304737953	Extend TA status to evaluate for

**RECEIVED**

**AUG 31 2009**

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22265			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> MORGAN STATE 12-36			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1992 FSL 0722 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 36 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047328140000			
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/5/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: _____         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL. THE WELL LOCATION HAS BEEN SHUT-IN, TEMPORARILY ABANDON, OR A NON-PRODUCING WELL. IN ACCORDANCE WITH THE STATE OF UTAH DEMAND LETTER RESPONSE, THE OPERATOR WILL PLUG AND ABANDON THE WELL LOCATION. PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> <u>November 05, 2009</u> <b>By:</b> <u><i>Dan K. Duff</i></u>					
<b>NAME (PLEASE PRINT)</b> Andy Lytle		<b>PHONE NUMBER</b> 720 929-6100			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst			
		<b>DATE</b> 11/3/2009			



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43047328140000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Note on Plug #1: A 5 1/2" CIBP cannot be run to 7202' – the top of the 3 1/2" liner is at 6771'. Proposed balanced plug of 6 sx is adequate.**
- 3. Amend Plug #6: This plug shall be an inside/outside plug. RIH and perforate @ 1748'. Establish circulation down the 5 1/2" casing back up the 5 1/2" x 8 5/8" annulus. If injection into the perfs cannot be established a 555' plug ( $\pm 64$  sx) shall be balanced from  $\pm 1798'$  to 1243'. If injection is established: RIH with CICR and set at 1698'. M&P 165 sx cement, sting into CICR pump 113sx, sting out and dump 52 sx on top of CICR. This will isolate the top of the Parachute Creek Member as required by Cause 190-5(B).**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 6. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 8. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** November 05, 2009  
**By:** Dustin Doucet

**Well Name/No:** MORGAN STATE 12-36

**County Name:** UINTAH

Hole: 11 in. @ 256 ft.

7 7/8" x 5 1/2" (10%)  
8 5/8" x 5 1/2"

7661

20.481

4.0936

5-192

1343' GENV  
 TOC 2150'  
 Top Job after  
 3000' BMSW  
 ± Pw CLK  
 Base  
 2900  
 2944'

Amend  
 Plug # 6  
 Perf inside/out Plug required  
 1748' 748' CIRC @ 1098'  
 (Below) in 50' / (1.5) X (7.661) = 65X  
 out 50' / (1.5) (4.0936) = 107  
 2139 (Above) 455' / (1.5) (7.661) = 525X  
 1055X  
 Plug # 5  
 223' injection Not Necessar-  
 (Below) in 100' / (1.5) (7.661) = 125X  
 out 100' / (1.5) (4.0936) = 215X  
 (Above) in 65X = 52'  
 TOC @ 2087' ✓ OK  
 2900  
 Plug # 4  
 (395X) (1.5) (7.661) = 343'  
 TOC @ 2900' ✓ OK

Element Information				
String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
I1	7098	2150	HG	455
I1	7098	2150	T2	965
L1	8000	6771	50	70
SURF	256	0	PA	85

Plug #4  
 $(395 \times)(1.15)(7.661) = 3431$   
 Total 2900 ✓ ok

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5994	7932			

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** November 05, 2009

**By:** Dan K. Slay

Formation	Depth
UNTA	0
GRRV	1343
BMSW	3000
PARCK	3002
WSTC	4588
MVRD	7234

Hole: 7.875 in. @ 7098 ft.

2001

note - Connect run 5 1/2" CBP to 7202 TCE @ 6771'

Hole: 4.75 in. @ 8000 ft.  $(65)(1.15)(20.481) = 141'$  ✓ O.K.  
7932  
TODAY 7060

**TD:** 8000 **TVD:** **PBTD:**

MORGAN STATE 12-36  
 1992' FSL & 722' FEL  
 NESE SEC.36, T9S, R21E  
 Uintah County, UT

KBE:	5044'	API NUMBER:	43-047-32814
GLE:	5035'	LEASE NUMBER:	ML-22265
TD:	8000'	WI:	100.0%
PBTD:	7963'	NRI:	80.0 %

**CASING:** 11" hole  
 8 5/8" 24# K-55 @ 256' (GL)  
 Cemented w/ 85 sx, prem AG with 2% CaCl<sub>2</sub> TOC @ Surface.

7.875" hole  
 5 1/2" 17# L-80 @ 7098'.  
 Cemented w/ lead 455 sxs Hilift (Y 2.66) and tail with 965 sxs Self Stress II (Y 1.53).  
 Effective TOC @ 2150' by CBL

Cement 8-5/8" - 5-1/2" csg annulus for top down job. Pumped 20 bbl LCM pill. Lean w/65 sx class "G" w/add wt 11.5 yd 3.18. Tail w/190 sx class "G" w/add at 11.5 yd 3.16.

**TUBING:** 2.0625" 3.25# N-80 tubing landed at 7660'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.0625" 3.25#				0.1251	0.0167	0.00298
5.5" 17# N-80 csg.	4.767	6280	7740	0.9764	0.1305	0.02324
8.625" 24# K-55 csg	7.972	1780	2950	2.6749	0.3575	0.0636
<b>Annular Capacities</b>						
5.5" csg. X 8.625" 24# csg.				1.4406	0.1926	0.0343
5.5" csg. X 7.875" hole				1.2978	0.1733	0.0309
8.625" csg. X 11" hole				1.9026	0.2543	0.0453

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1343'
Bird's Nest	1648'
Mahogany	2139'
Base of Parachute	3002'
Wasatch	4587'
Mesaverde	7239'

**Tech. Pub. #92 Base of USDW's**

USDW Elevation 2000' MSL

USDW Depth 3044' KBE

**PERFORATIONS:**

Formation	Date	Top	SPF	Status
Wasatch	Oct-97	5994		
Wasatch	Oct-97	5998		
Wasatch	Oct-97	6000		
Wasatch	Oct-97	6002		
Wasatch	Oct-97	6158		
Wasatch	Oct-97	6323		
Wasatch	Oct-97	6324		
Wasatch	Oct-97	6474		
Wasatch	Oct-97	6477		
Wasatch	Oct-97	6480		
Mesaverde	Oct-97	7252		
Mesaverde	Oct-97	7262		
Mesaverde	Oct-97	7272		
Mesaverde	Oct-97	7282		
Mesaverde	Oct-97	7290		
Mesaverde	Oct-97	7317		
Mesaverde	Oct-97	7371		
Mesaverde	Oct-97	7392		
Mesaverde	Oct-97	7604		
Mesaverde	Oct-97	7634		
Mesaverde	Oct-97	7737		
Mesaverde	Oct-97	7879		
Mesaverde	Oct-97	7880		
Mesaverde	Oct-97	7912		
Mesaverde	Oct-97	7931		
Mesaverde	Oct-97	7932		

**WELL HISTORY:**

- Spud Well on May 20, 1997, TD'd September 29, 1997. PBTD at 7963
- October 10, 1997 - Perforated gross Mesaverde interval f/ 7252' - 7932'.
- October 11, 1997 - Frac Mesaverde perms with 25-20# gel, 148,300 20/40 sd
- October 11, 1997 - Perforated gross Wasatch interval f/ 5994' - 6480'.
- October 11, 1997 - Frac Wasatch perms with 25-20# gel, 70,260 20/40 sd
- October 19, 1997 - First production 1Mcf gas, 120 BW, 0 BO
- May 14, 1998 - Cement 8-5/8" - 5-1/2" csg annulus for top down job. Pumped 20 bbl LCM pill. Lean w/65 sx class "G" w/add wt 11.5 yd 3.18. Tail w/190 sx class "G" w/add at 11.5 yd 3.16.
- June 24, 1998 - Workover. Lower tubing and install plunger lift equipment. Cleaned out PBTD at 7963'. Landed tubing at 7860', SN at 7825'.
- July 28, 1998 - Workover. Raised tubing to 7238', SN at 7204'.
- November 17, 1999 - Workover. Set 5-1/2" CIBP at 6730'. New EOT at 6384', SN at 6349'. Acidized Wasatch perms w/ 12 bbls 15% HCl.



**REMARKS:**

- Gas production fell below 10 mcf/d in 2004 and remained there until it was shut in. It would not be economical to do a workover or recompletion to return the well to production.
- Land Exploration/Operations - This well is producing from the Was/MV formations. The lease is held by other producing wells on the lease. OK to P&A. Jason Rayburn 8/12/09
- Geology - Sands above top perf are potentially wet and not likely producers. OK to P&A. BJK 8/18/09
- Reservoir Engineering - The Morgan State 12-36 had first production in Oct 1997 and has a cum production of 92mmcf since then. The net remaining reserves have been zero since SEC06. If there is no remaining potential uphole, ok to P&A. Lisa Gauthier 8/14/09.
- Operations Engineering - Never has produced more than 200 MCFD. Has not produced since middle of 2007. No production improvement potential. Ok to P&A. Bennie Allen 8/6/09

## MORGAN STATE 12-36 PERMANENT ABANDONMENT PROCEDURE

### GENERAL

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

### PROCEDURE

**Note: An estimated 290 sx Class "G" cement needed for procedure  
No gyro has been run.**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL & PREP FOR GYRO SURVEY.
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV PERFORATIONS (7252' – 7932') & MV TOP (7239')**: RIH W/ 5 1/2" CIBP. SET @ ~7202'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE 8 SX CMT (9.16 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~7139'). REVERSE CIRCULATE W/ 10 PPG BRINE.
5. **PLUG #2, ISOLATE WASATCH PERFORATIONS (5994' – 6480')**: RIH W/ 5 1/2" CIBP. SET @ ~5944'. RELEASE CIBP, BRK CIRC W/ FRESH WATER. DISPLACE 6 SX (6.87 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~5894'). REVERSE CIRCULATE W/ 10 PPG BRINE.
6. **PLUG #3, PROTECT WASATCH TOP (4587')** PUH TO ~4687'. BRK CIRC W/ FRESH WATER. DISPLACE 23 SX (26.335 CUFT.) AND BALANCE PLUG W/ TOC @ ~4487' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE
7. **PLUG #4, PROTECT USDW (~3044') AND BASE OF PARACHUTE (~3002)** PUH TO ~3244'. BRK CIRC W/ FRESH WATER. DISPLACE 39 SX (44.655 CUFT.) AND BALANCE PLUG W/ TOC @ ~2902' (342' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
8. **PLUG #5, PROTECT MAHOGANY TOP (2139')** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ ~2239' W/ 4 SPF. PU & RIH W/ 4 1/2" CIRC, SET @ ~2139'. RIH W/ TBG & STING INTO CIRC & SQUEEZE PERFS W/ A MINIMUM OF 64 SX (73.28 CUFT.), OR SUFFICIENT VOLUME TO FILL 5 1/2" CSG AND ANNULUS TO 2139'. STING OUT OF CIRC AND SPOT 6 SX (6.87 CUFT.) CMT ON TOP OF CIRC. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~1989'). REVERSE CIRCULATE W/ 10 PPG BRINE.
9. **PLUG #6, PROTECT BIRD'S NEST TOP (1648') AND GREEN RIVER TOP (1343')**: PUH TO ~1748'. BRK CIRC W/ FRESH WATER. DISPLACE 58 SX (66.41 CUFT.) AND BALANCE PLUG W/ TOC @ ~1243' (505' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE
10. **PLUG #7, SURFACE SHOE (256' KB) & SURFACE HOLE**: POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 306' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 86 SX CMT (98.47 CUFT.) OR SUFFICIENT VOLUME TO FILL 5 1/2" CSG AND ANNULUS.
11. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.

12. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

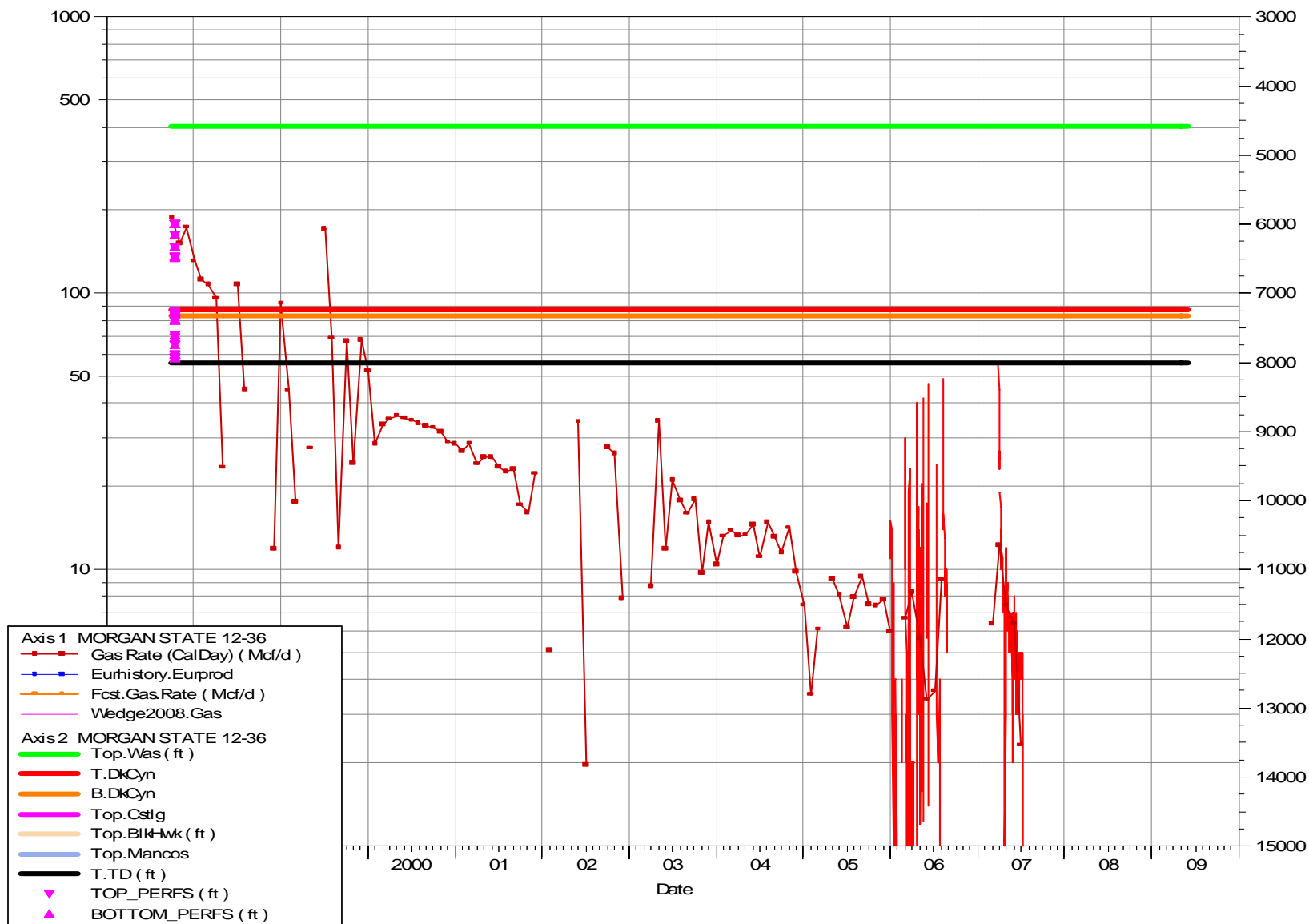
NBU\_CENTRAL  
KERR-MCGEE OIL & GAS ONSHO  
W/TM  
Crpl Type:

## MORGAN STATE 12-36

43047328140000

09S 21E 36 NESE

Gas Cum Monthly : 92 MMcf  
Gas Cum Dly : 1986 Mcf



RECEIVED November 03, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22265
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> MORGAN STATE 12-36
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1992 FSL 0722 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 36 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047328140000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 7/1/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR CONCLUDED PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL ON 7/1/2010. THIS WELL IS NOW PLUGGED AND ABANDONED. PLEASE SEE ATTACHED PLUG AND ABANDONMENT CHRONOLOGICAL WELL HISTORY.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> July 06, 2010		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/6/2010	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: MORGAN STATE 12-36

Spud Date: 7/9/1997

Project: UTAH-UINTAH

Site: MORGAN STATE 12-36

Rig Name No: MILES 2/2

Event: ABANDONMENT

Start Date: 6/23/2010

End Date: 7/1/2010

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: MORGAN STATE 12-36

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/28/2010	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 7:30	0.00	ABAND	45		P		MIRU, 1300# CSG, 0# TBG, BLOWW WELL DWN, KILL WELL WITH 00 BBLs BRINE, NDWH, NU BOP'S, TEST BOP'S TO 2000#, UNLAND TBG, RU PRS, SCAN TBG OOH. 193 JTS 2 1/16" 3.25# TBG, 53 JTS YB 1748.47', 82 BB 2705.18', 58 JTS RB 1913.42'. RD PRS, SWIFN
6/29/2010	7:00 - 7:30	0.50	ABAND	48		P		WIRELINE
	7:30 - 17:00	9.50	ABAND	34		P		RUN GYRO TO 6330', RU CUTTERS, RIH GAUGE RING TO 6446', STACKED OUT, POOH RD CUTTERS, RIH 2 1/16" TBG WITH NOTCHED COLLAR TO TAG PLUG AT 6730'. (PLUG SET NOV 19TH, 1999). RIH WITH TBG TO 5046' RIG BROKE DWN, SWIFN
6/30/2010	7:00 - 7:30	0.50	ABAND	48		P		TRIPPING TBG
	7:30 - 19:00	11.50	ABAND	51		P		RIH WITH TBG TO 6730' TAG CIBP, RU PRO PETRO, PUMP 5 BBLs FRESH WATER, 2 BBLs 11.45 CF CEMENT ON TOP OF PLUG, NOTE: ALL CEMENT IS CLASS G, YIELD 1.145, DENSITY 15.8#, 4.9GW/SX. DISPLACE WITH 2.5 BBL FRESH, 17.8 BBLs BRINE. RD PRO PETRO, POOH STD BACK 70 STDS 4643', LD DWN BALANCE OF TBG. RU CUTTERS, RIH WITH 5 1/2" CIBP SET AT 5944', POOH PU BAILER, BAIL 6 SX CEMENT ON CIBP, POOH RD CUTTERS, RIH WITH 70 STDS + 1 JT TO 4687', RU PRO PETRO FILL HOLE W/ BRINE & TEST CSG TO 500 # PSI, PUMP 6.4 BBLs FRESH, 25 SX 28.63 CF, 5.1 BBLs CEMENT, DISPLACE WITH 1 BBLs FRESH, 12.2 BBLs BRINE, POOH LD 43 JTS TO 3244', 98 JTS IN HOLE. REV TBG 11/2 TBG VOLUMES, SWI SDFN. SET CICR
7/1/2010	7:00 - 7:30	0.50	ABAND	48		P		SET CICR

US ROCKIES REGION  
**Operation Summary Report**

Well: MORGAN STATE 12-36

Spud Date: 7/9/1997

Project: UTAH-UINTAH

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UWI: MORGAN STATE 12-36

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 17:00	9.50	ABAND	51		P		<p>SET PLUG #4 EOT@3244' PUMP 6 BBLS FRESH, 45 SX, 45.8CF CEMENT, DISPLACE WITH 2 1/2 BBLS FRESH, 6 BBLS BRINE, P00H LD TBG, RU CUTTERS RIH PERF CSG AT 2230', POOH, RU PRO PETRO ESTABLISH INJECTION RATE 3.5 BBLS/ MIN AT 500#, RD PRO PETRO, PU CICR RIH TO 2139, SET CICR,</p> <p>RU PRO PETRO, PUMP 5 BBLS FRESH, 70 SX, 14.2 BBLS, 80.15 CF, CLASS G CEMENT, STING OUT OF CICR, PUMP 10 SX, 11.5CF, 2 BBLS CEMENT ON TOP OF CICR. ROLLED HOLE WITH 50 BBLS BRINE, POOH STD BACK 25 STDS, TO 1698, LAY DWN 14 JTS, RU CUTTERS, RIH TO 1735' PERF 4 SHOTS AT 90 DEGREES, RD CUTTERS, RU PRO PETRO, PUMP BRINE TO ESTABLISH INJECTION RATE.2.5 BBLS AT 500#, RD PRO PETRO, PU CICR, RUN IN HOLE 25 STDS TO 1698', SET CICR, RU PRO PETRO PUMP 5 BBLS FRESH,115 SX, 23.5 BBLS, 131.7 CF, CLASS G CEMENT, UNSTING, PUMP 55 SX,11.2 BBLS, 62.9 CF CEMENT,</p> <p>DISPLCE WITH 1 BBL FRESH, 4 BBLS BRINE, POOH LD TBG, RU CUTTERS, RIH WITH GUN, PERF 4 SHOTS AT 90 DEGREES,@ 306'. RU PRO PETRO ESTABLISH CIRC TO SURFACE. PUMP 40 BBLS BRINE, GOT RTNS, PUMP 325 SX CEMENT 372.125 CF, 66.3 BBLS CEMENT TO GET RTNS TO SURFACE AND HOLD,</p> <p>CUT OFF CSG, CAP WELL AS PER STATE REG.RDMO TO NBU 258</p> <p>N3959.717 W10930.422 ELV 5085</p>